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1M protein - protein search, using sw model

Run on: March 30, 2004, 06:36:29 ; Search time 330 Seconds
(without alignments)
450.375 Million cell updates/sec

Title: US-10-053-510-8

Perfect score: 2977

Sequence: 1 MPESTLLMLKAFEPVLEILE.....LYSTDTVTQSGNQMSGPKPH 568

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1065169 seqs, 261661801 residues

Total number of hits satisfying chosen parameters: 1065169

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA.*
1: /cgn2_6/ptodata/2/pubaa/us07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/2/pubaa/PCT_NEW_PUB.pep.*
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11: /cgn2_6/ptodata/2/pubaa/US09C_PUBCOMB.pep.*
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16: /cgn2_6/ptodata/2/pubaa/US10_NEW_PUB.pep.*
17: /cgn2_6/ptodata/2/pubaa/US60_NEW_PUB.pep.*
18: /cgn2_6/ptodata/2/pubaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2977	100.0	568	14	US-10-286-175-4
2	2977	100.0	568	14	US-10-197-073-4
3	2977	100.0	568	14	US-10-053-510-8
4	2977	100.0	568	15	US-10-348-052-8
5	2959	99.4	568	9	US-09-740-369-2
6	2959	99.4	568	14	US-10-053-510-18
7	2959	99.4	568	15	US-10-348-052-18
8	2553	85.8	568	14	US-10-286-175-2
9	2553	85.8	568	14	US-10-197-073-2
10	2553	85.8	568	14	US-10-053-510-6
11	2553	85.8	568	15	US-10-348-052-6
12	2498	83.9	488	14	US-10-286-175-10
13	2498	83.9	488	14	US-10-197-073-10
14	2498	83.9	488	14	US-10-053-510-10
15	2498	83.9	488	15	US-10-348-052-10

Sequence 16, Appli
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Sequence 14, Appli
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Sequence 11138, A
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US-10-005-602-2
US-10-156-761-11138
US-10-006-852-2
US-10-008-852-4
US-10-424-599-248456
US-10-167-547C-2

ALIGNMENTS

RESULT 1

US-10-286-175-4
Sequence 4, Application US/10286175
Publication No. US20030059922A1

GENERAL INFORMATION:

APPLICANT: Zaba, Julie D.

APPLICANT: Zhou, Jianhui

TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE

POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND

METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed Intellectual Property Law Group

STREET: 701 Fifth Avenue, Suite 6300

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98055

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/286,175

FILING DATE: 30-Oct-2002

CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Rosenman, Steven J.

REGISTRATION NUMBER: 43,058

REFERENCE/DOCKET NUMBER: 200116.402C3

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 568 amino acids

TYPE: amino acid

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; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-286-175-4

Query Match 100.0%; Score 2977; DB 14; Length 568;
Best Local Similarity 100.0%; Pred. No. 5.2e-287;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKYNGHCTKYPEWQLIANSVWTLIVNGYEFV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKYNGHCTKYPEWQLIANSVWTLIVNGYEFV 60
QY 61 FQPSLSWRFKKKCFKLTTRKMPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
Db 61 FQPSLSWRFKKKCFKLTTRKMPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
QY 121 LSSSAVLSEKLEYSSMDAFWQEGRASGTVYSGBEKUTELLVKAAGDFANSLPHDIPFG 180
Db 121 LSSSAVLSEKLEYSSMDAFWQEGRASGTVYSGBEKUTELLVKAAGDFANSLPHDIPFG 180
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Db 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAPEKGIKTPETVAPQS 240
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Db 241 AHAANKAASVFGMKIVRPLTKMVEVDVAMRRAISRNTAMLVCSPTPPHGVDPVPE 300
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Db 301 VAKLAVKYKIPLHVDACLGGLIIVFMEKAGYPLEHPDFRVRKGVTSISADTHKYGYAPKG 360
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Db 361 SSLVLYSDKKYRNQYQFVDTDWQGGIYASPTIAGSRPGGISAACWAALMHFGENGVEAT 420
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Db 421 KQIIKTARFLKSELENIGIFVFGNPNQSLIALGSRDFFDIYRLSNLMTAKGWNLNQLOFP 480
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Db 481 PSIHFCITLLHARKEVAIOFLKDIRSVTOIMKNPKAKTTGMGAIYAMAQTTVDNRNVAE 540
QY 541 LSSVFLDSLSTDTVTQGSQWNGSPKPH 568
Db 541 LSSVFLDSLSTDTVTQGSQWNGSPKPH 568

RESULT 2
US-10-197-073-4
; Sequence 4, Application US/10197073
; Publication No. US20030166897A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; Zhen Jiahui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98055
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10197,073
; FILING DATE: 15-Jul-2002
; CLASSIFICATION: <unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Urvater, Julie A.
; REGISTRATION NUMBER: 50,461
; REFERENCE/DOCKET NUMBER: 200116.402D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 568 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-10-197-073-4

Query Match 100.0%; Score 2977; DB 14; Length 568;
Best Local Similarity 100.0%; Pred. No. 5.2e-287;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKYNGHCTKYPEWQLIANSVWTLIVNGYEFV 60
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Db 61 FQPSLSWRFKKKCFKLTTRKMPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
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Db 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAPEKGIKTPETVAPQS 240
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Db 241 AHAANKAASVFGMKIVRPLTKMVEVDVAMRRAISRNTAMLVCSPTPPHGVDPVPE 300
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Db 301 VAKLAVKYKIPLHVDACLGGLIIVFMEKAGYPLEHPDFRVRKGVTSISADTHKYGYAPKG 360
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Db 481 PSIHFCITLLHARKEVAIOFLKDIRSVTOIMKNPKAKTTGMGAIYAMAQTTVDNRNVAE 540
QY 541 LSSVFLDSLSTDTVTQGSQWNGSPKPH 568
Db 541 LSSVFLDSLSTDTVTQGSQWNGSPKPH 568

RESULT 3
US-10-053-510-8
; Sequence 8, Application US/10053510
; Publication No. US2003017593A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Fyrest, Henrik
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,

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; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
 ; FILE REFERENCE: 200116.402C2
 ; CURRENT APPLICATION NUMBER: US/10/053,510
 ; CURRENT FILING DATE: 2002-01-17
 ; NUMBER OF SEQ ID NOS: 21
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 8
 ; LENGTH: 568
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; JS-10-053-510-8

Query Match 100.0%; Score 2977; DB 14; Length 568;
 Best Local Similarity 100.0%; Pred. No. 5.2e-287;
 Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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 DB 61 FQPSLSWSRFFKCKCFKLTTRKMPPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQ 120
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 DB 301 VAKLAVKIPLHVDACLGGLFIVMEKAGYLEHPDFRVKGVTSISADTHKYGYAPKG 360
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 DB 361 SSLVLYSDKKYRNQYFVDTDWGGIYASPTTAGSRPGGISAACWAALMHFGENGYVEAT 420
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 DB 481 PSIHFCITLLHARKVAIQFLKDIRSVTQIMKNPKAKTTGMAIYAAQTIVDRNNVAE 540
 QY 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568
 DB 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568

RESULT 4

US-10-348-052-8
 ; Sequence 8, Application US/10348052
 ; Publication No. US20030219782A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Fyrest, Henrik
 ; APPLICANT: Saba, Julie D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION
 ; OF SPRINGOLIPID METABOLISM AND/OR SIGNALING
 ; FILE REFERENCE: 200116.405
 ; CURRENT APPLICATION NUMBER: US/10/348,052
 ; CURRENT FILING DATE: 2003-01-17
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 8

; LENGTH: 568
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-10-348-052-8
 Query Match 100.0%; Score 2977; DB 15; Length 568;
 Best Local Similarity 100.0%; Pred. No. 5.2e-287;
 Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 MPSTDLMLKAFEPYLEILEIVSTKAKNVGHCTKYEPWQLIAMSVVWTLIIWGYEFV 60
 DB 1 MPSTDLMLKAFEPYLEILEIVSTKAKNVGHCTKYEPWQLIAMSVVWTLIIWGYEFV 60
 QY 61 FQPSLSWSRFFKCKCFKLTTRKMPPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQ 120
 DB 61 FQPSLSWSRFFKCKCFKLTTRKMPPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQ 120
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 DB 121 LSSSAVLEKLEKEYSSMDAFWQEGRASGTIVYSGEEKITELLVKAYGDFAWSNPLHDPFPG 180
 QY 181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESIIMACKACRDLAPEKGIKTPETIVAPQS 240
 DB 181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESIIMACKACRDLAPEKGIKTPETIVAPQS 240
 QY 241 AHAAFNKAASYFGKIVRPLTKQMEVDVRAWRERAI SRNTAMLVGSTPQPHGVDPVPE 300
 DB 241 AHAAFNKAASYFGKIVRPLTKQMEVDVRAWRERAI SRNTAMLVGSTPQPHGVDPVPE 300
 QY 301 VAKLAVKIPLHVDACLGGLFIVMEKAGYLEHPDFRVKGVTSISADTHKYGYAPKG 360
 DB 301 VAKLAVKIPLHVDACLGGLFIVMEKAGYLEHPDFRVKGVTSISADTHKYGYAPKG 360
 QY 361 SSLVLYSDKKYRNQYFVDTDWGGIYASPTTAGSRPGGISAACWAALMHFGENGYVEAT 420
 DB 361 SSLVLYSDKKYRNQYFVDTDWGGIYASPTTAGSRPGGISAACWAALMHFGENGYVEAT 420
 QY 421 KQIIKTARFLKSELENIKGIFVFGNPQLSLIALGSRDFDIYRLSNLMTAKGNLNLQLOFP 480
 DB 421 KQIIKTARFLKSELENIKGIFVFGNPQLSLIALGSRDFDIYRLSNLMTAKGNLNLQLOFP 480
 QY 481 PSIHFCITLLHARKVAIQFLKDIRSVTQIMKNPKAKTTGMAIYAAQTIVDRNNVAE 540
 DB 481 PSIHFCITLLHARKVAIQFLKDIRSVTQIMKNPKAKTTGMAIYAAQTIVDRNNVAE 540
 QY 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568
 DB 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568

RESULT 5

US-09-740-359-2
 ; Sequence 2, Application US/09740369
 ; Patent No. US20020168710A1
 ; GENERAL INFORMATION:
 ; APPLICANT: DUCKWORTH, DAVID MALCOLM
 ; APPLICANT: GODDEN, ROBERT JAMES
 ; APPLICANT: TESTA, TANIA TAMSON
 ; TITLE OF INVENTION: NOVEL COMPOUNDS
 ; FILE REFERENCE: GP-30034-D1
 ; CURRENT APPLICATION NUMBER: US/09/740,369
 ; CURRENT FILING DATE: 2000-12-19
 ; PRIOR APPLICATION NUMBER: EP 98300625.5
 ; PRIOR FILING DATE: 1998-01-29
 ; PRIOR APPLICATION NUMBER: UK 9824026.0
 ; PRIOR FILING DATE: 1998-11-03
 ; PRIOR APPLICATION NUMBER: 09/238,373
 ; PRIOR FILING DATE: 1999-01-27
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2
 ; LENGTH: 568
 ; TYPE: PRT

ORGANISM: HOMO SAPIENS
JS-09-740-369-2

Query Match 99.4%; Score 2959; DB 9; Length 568;
Best Local Similarity 99.5%; Pred. No. 3.2e-285;
Matches 565; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAMSVVWTLIIVMGYEFV 60
DB 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAMSVVWTLIIVMGYEFV 60

QY 61 POPSLMSRFKKCFKLTTRKMPFIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
DB 61 POPSLMSRFKKCFKLTTRKMPFIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120

QY 121 LSSSAVLEKLEKEYSSMDAFWQEGRASGTIVYSBEKLTTELLVKAYGDFAWSNPLHPDIPFG 180
DB 121 LSSSAVLEKLEKEYSSMDAFWQEGRASGTIVYSBEKLTTELLVKAYGDFAWSNPLHPDIPFG 180

QY 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGGTSILMACKACEDLAFEXGIKTPEIVAPQS 240
DB 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGGTSILMACKACEDLAFEXGIKTPEIVAPQS 240

QY 241 AHAAFNKAASYFGMKIVRVPLTKOMEVDVVRAMRAISRNTAMLVGSTPQPHGVDPVPE 300
DB 241 AHAAFNKAASYFGMKIVRVPLTKOMEVDVVRAMRAISRNTAMLVGSTPQPHGVDPVPE 300

QY 301 VAKLAVKIKPLHVDACLGGLFIVFNEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
DB 301 VAKLAVKIKPLHVDACLGGLFIVFNEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360

QY 361 SSLVLYSDKKYRNYQFFVTDWQGGIYASPTIAGSRPGGISAAWALMHFGENGYYEAT 420
DB 361 SSLVLYSDKKYRNYQFFVTDWQGGIYASPTIAGSRPGGISAAWALMHFGENGYYEAT 420

QY 421 KOIKTARFLKSELENIKGIFVFGNQLSLIALGSRDPDIYLSNLMTAKGNLNQLOFP 480
DB 421 KOIKTARFLKSELENIKGIFVFGNQLSLIALGSRDPDIYLSNLMTAKGNLNQLOFP 480

QY 481 PSIHFCITLHARKRVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVYMAQTIVDRNMVAE 540
DB 481 PSIHFCITLHARKRVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVYMAQTIVDRNMVAE 540

QY 541 LSSVFLDSLSTDTVTGSGSQWNGSPKPH 568
DB 541 LSSVFLDSLSTDTVTGSGSQWNGSPKPH 568

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RESULT 6

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US-10-053-510-18
; Sequence 18, Application US/10053510
; Publication No. US20030175939A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Fyrest, Henrik
; TITLE OF INVENTION: 1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C2
; CURRENT APPLICATION NUMBER: US/10/053,510
; CURRENT FILING DATE: 2002-01-17
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-510-18

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Query Match 99.4%; Score 2959; DB 14; Length 568;
Best Local Similarity 99.5%; Pred. No. 3.2e-285;
Matches 565; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAMSVVWTLIIVMGYEFV 60
DB 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAMSVVWTLIIVMGYEFV 60

QY 61 POPSLMSRFKKCFKLTTRKMPFIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
DB 61 POPSLMSRFKKCFKLTTRKMPFIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120

QY 121 LSSSAVLEKLEKEYSSMDAFWQEGRASGTIVYSBEKLTTELLVKAYGDFAWSNPLHPDIPFG 180
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QY 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGGTSILMACKACEDLAFEXGIKTPEIVAPQS 240
DB 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGGTSILMACKACEDLAFEXGIKTPEIVAPQS 240

QY 241 AHAAFNKAASYFGMKIVRVPLTKOMEVDVVRAMRAISRNTAMLVGSTPQPHGVDPVPE 300
DB 241 AHAAFNKAASYFGMKIVRVPLTKOMEVDVVRAMRAISRNTAMLVGSTPQPHGVDPVPE 300

QY 301 VAKLAVKIKPLHVDACLGGLFIVFNEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
DB 301 VAKLAVKIKPLHVDACLGGLFIVFNEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360

QY 361 SSLVLYSDKKYRNYQFFVTDWQGGIYASPTIAGSRPGGISAAWALMHFGENGYYEAT 420
DB 361 SSLVLYSDKKYRNYQFFVTDWQGGIYASPTIAGSRPGGISAAWALMHFGENGYYEAT 420

QY 421 KOIKTARFLKSELENIKGIFVFGNQLSLIALGSRDPDIYLSNLMTAKGNLNQLOFP 480
DB 421 KOIKTARFLKSELENIKGIFVFGNQLSLIALGSRDPDIYLSNLMTAKGNLNQLOFP 480

QY 481 PSIHFCITLHARKRVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVYMAQTIVDRNMVAE 540
DB 481 PSIHFCITLHARKRVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVYMAQTIVDRNMVAE 540

QY 541 LSSVFLDSLSTDTVTGSGSQWNGSPKPH 568
DB 541 LSSVFLDSLSTDTVTGSGSQWNGSPKPH 568

```

RESULT 7

```

US-10-348-052-18
; Sequence 18, Application US/10348052
; Publication No. US20030229782A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Fyrest, Henrik
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION
; TITLE OF INVENTION: OF SPHINGOLIPID METABOLISM AND/OR SIGNALING
; FILE REFERENCE: 200116.405
; CURRENT APPLICATION NUMBER: US/10/348,052
; CURRENT FILING DATE: 2003-01-17
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-348-052-18

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Query Match 99.4%; Score 2959; DB 15; Length 568;
Best Local Similarity 99.5%; Pred. No. 3.2e-285;
Matches 565; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAMSVVWTLIIVMGYEFV 60
DB 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWQLIAMSVVWTLIIVMGYEFV 60

QY 61 POPSLMSRFKKCFKLTTRKMPFIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
DB 61 POPSLMSRFKKCFKLTTRKMPFIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120

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121 LSSSAVLEKLEKYSMDAFWQGRASGTVYSGEELTELLVKAYGDFAWSNPLHPDIPPG 180
121 LSSSAVLEKLEKYSMDAFWQGRASGTVYSGEELTELLVKAYGDFAWSNPLHPDIPPG 180
181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTSSILMACACEDLAFEGIKTPEIVAPQS 240
181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTSSILMACACEDLAFEGIKTPEIVAPQS 240
241 AHAFAFKAAASYFGMKIVRVPLTKQMEVDVVRMRRAISNTAMLCVSTQFPFHGVDPVPE 300
241 AHAFAFKAAASYFGMKIVRVPLTKQMEVDVVRMRRAISNTAMLCVSTQFPFHGVDPVPE 300
301 VAKLAVKYKIPLVHDAACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
301 VAKLAVKYKIPLVHDAACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
361 SSLVLVSDKKYRNYQPFVDTDWOGGIYASPTTAGSRPGGISAACWAALMHFGENGIVEAT 420
361 SSLVLVSDKKYRNYQPFVDTDWOGGIYASPTTAGSRPGGISAACWAALMHFGENGIVEAT 420
421 KOIKTARFLKSELENIKGIFVFGNPOLSLIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 480
421 KOIKTARFLKSELENIKGIFVFGNPOLSLIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 480
481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRNVAE 540
481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRNVAE 540
541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568
541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568

RESULT 8

US-10-286-175-2
Sequence 2, Application US/10286175
Publication No. US2003005922A1
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/286,175
FILING DATE: 30-Oct-2002
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:
NAME: Roseman, Steven J.
REGISTRATION NUMBER: 43,058
REFERENCE/DOCKET NUMBER: 200116.402C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-10-286-175-2

Query Match 85.8%; Score 2553; DB 14; Length 568;
Best Local Similarity 84.1%; Pred. No. 8.7e-245;
Matches 477; Conservative 43; Mismatches 47; Indels 0; Gaps 0;

QY 1 MSTDLLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPWOLIAWSVVWTLIIWVGEFV 60
DB 1 MFGTDLMLKDFEPYLEILEVYSTKAKNYVNGHCTKYEPWOLIAWSVLCILLIIVWYELI 60
QY 61 FQESLWSRFKKCKFLKTRKMPFIIGRKIQDKLNKTKDIDISQMSFLKVDKEYVYKALPSQG 120
DB 61 FQESLWSRFKKCKFLKTRKMPFIIGRKIEQQVSKAKDLVKNMPLFKVDKYVKTLPAGQ 120
QY 121 LSSSAVLEKLEKYSMDAFWQGRASGTVYSGEELTELLVKAYGDFAWSNPLHPDIPPG 180
DB 121 MGTAEVLEKLEKYSMDGSGQKASGAVYNGEPKLTTELLVQAYGEFTWSNPLHPDIPPG 180
QY 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTSSILMACACEDLAFEGIKTPEIVAPQS 240
DB 181 LRKLEAEIVRMTCSLFNGGPDSCGCVTSGGTSSILMACACEDLAFEGIKTPEIVAPES 240
QY 241 AHAFAFKAAASYFGMKIVRVPLTKQMEVDVVRMRRAISNTAMLCVSTQFPFHGVDPVPE 300
DB 241 AHAFAFKAAHYFGMKIVRVVALKQMEVDVQAKMRRAISNTAMLCVSTQFPFHGVNDPVE 300
QY 301 VAKLAVKYKIPLVHDAACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
DB 301 VAKLTTRYKIPLVHDAACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
QY 361 SSLVLVSDKKYRNYQPFVDTDWOGGIYASPTTAGSRPGGISAACWAALMHFGENGIVEAT 420
DB 361 SSVVMYSNKYRTYQPFVGDWQGGYASPSIAGSRPGGISAACWAALMHFGENGIVEAT 420
QY 421 KOIKTARFLKSELENIKGIFVFGNPOLSLIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 480
DB 421 KOIKTARFLKSELENIKGIFVFGNPOLSVIALGSDFDIYRLSNMMSAKGNWNYLOPP 480
QY 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRNVAE 540
DB 481 RSIHFCITLVHTRKVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQATIDRLKVAE 540
QY 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 567
DB 541 ISSVFLDCLYTTDPVTQGNQMGSPKPH 567

RESULT 9

US-10-197-073-2
Sequence 2, Application US/10197073
Publication No. US20030166897A1
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/197,073

FILE REFERENCE: 200116.402C2
CURRENT APPLICATION NUMBER: US/10/053,510
CURRENT FILING DATE: 2002-01-17
NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 568
TYPE: PRT
ORGANISM: Mus musculus
US-10-053-510-6

Query Match 85.8%; Score 2553; DB 14; Length 568;
Best Local Similarity 84.1%; Pred. No. 8,7e-245;
Matches 477; Conservative 43; Mismatches 47; Indels 0; Gaps 0;

QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPMQLIAMSVVWTLIIWGVYEFV 60
DB 1 MFGTDLKLDPEYLEILEVYSTKAKNYVNGHCTKYEPMQLIAMSVVWTLIIWVYELI 60
QY 61 FQPSLWSRFPKKCFKLIRKMPFIIGRKIQDILNKTKDDISKMSFLKYDKEYVKALPSQG 120
DB 61 FQPSLWSRFPKKCFKLIRKMPFIIGRKIEQOVSKAKDLVKNMPFLKVDKYVKTLPAGQ 120
QY 121 LSSSAVLEKLEYSMDAFWQEGASGTVYSGEKLTELLVKAQYDPAWSNPLHDPDIFPG 180
DB 121 MGTAEVLERLEKYSMDGQSGWQEGKASGAVNGEPKLTTELLVQAYGEFTWSNPLHDPDIFPG 180
QY 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFEKGIKTPPIVAPQS 240
DB 181 LRKLEAEIVRMTCISLFNGGPDSCGCVTSGGTESILMACAKAYRDLALEKGIKTPPIVAPES 240
QY 241 AHAFAFNKAASYFGMKIVRVPLTKMVEDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
DB 241 AHAFAFNKAASYFGMKIVRVPLTKMVEDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
QY 301 VAKLAVKYKIPLHVDACLGGLFIVFMEKAGYPLEPFDPRVKGVTISADTHKYGYAPKG 360
DB 301 VAKLTVRYKIPLHVDACLGGLFIVFMEKAGYPLEPFDPRVKGVTISADTHKYGYAPKG 360
QY 361 SSLVLYSKYRYNQYFVDTWQGGIYASPTIAGSRPGGISAACWAALMHFGNGYVEAT 420
DB 361 SSVVMYSNEKYRTYQYFVGADWQGGVYASPSIAGSRPGGIIAACWAALMHFGNGYVEAT 420
QY 421 KQIIKTARFLKSELENIKGIFVGNPQLSLIAGSRDFDIYRLSNLMTAKGWNINLOQFP 480
DB 421 KQIIKTARFLKSELENIKGIFVGNPQLSLIAGSRDFDIYRLSNLMTAKGWNINLOQFP 480
QY 481 PSIHFCITLLHARKEVAIQFLKDIRESVTQIMKNPKAKTTGMGAIFYMAQATTIDRKLVAE 540
DB 481 RSIHFCITLVHTRKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIFYMAQATTIDRKLVAE 540
QY 541 LSSVFLDSLSTDTVTQSGQMGSPKP 567
DB 541 ISSVFLDCLYTTDPVTQGNQMGSPKP 567

RESULT 11
US-10-348-052-6
Sequence 6, Application US/10348052
Publication NO. US20030219782A1
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION OF SPHINGOLIPID METABOLISM AND/OR SIGNALING
FILE REFERENCE: 200116.405
CURRENT APPLICATION NUMBER: US/10/348,052
CURRENT FILING DATE: 2003-01-17
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 568
TYPE: PRT

QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYEPMQLIAMSVVWTLIIWGVYEFV 60
DB 1 MFGTDLKLDPEYLEILEVYSTKAKNYVNGHCTKYEPMQLIAMSVVWTLIIWVYELI 60
QY 61 FQPSLWSRFPKKCFKLIRKMPFIIGRKIQDILNKTKDDISKMSFLKYDKEYVKALPSQG 120
DB 61 FQPSLWSRFPKKCFKLIRKMPFIIGRKIEQOVSKAKDLVKNMPFLKVDKYVKTLPAGQ 120
QY 121 LSSSAVLEKLEYSMDAFWQEGASGTVYSGEKLTELLVKAQYDPAWSNPLHDPDIFPG 180
DB 121 MGTAEVLERLEKYSMDGQSGWQEGKASGAVNGEPKLTTELLVQAYGEFTWSNPLHDPDIFPG 180
QY 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFEKGIKTPPIVAPQS 240
DB 181 LRKLEAEIVRMTCISLFNGGPDSCGCVTSGGTESILMACAKAYRDLALEKGIKTPPIVAPES 240
QY 241 AHAFAFNKAASYFGMKIVRVPLTKMVEDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
DB 241 AHAFAFNKAASYFGMKIVRVPLTKMVEDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
QY 301 VAKLAVKYKIPLHVDACLGGLFIVFMEKAGYPLEPFDPRVKGVTISADTHKYGYAPKG 360
DB 301 VAKLTVRYKIPLHVDACLGGLFIVFMEKAGYPLEPFDPRVKGVTISADTHKYGYAPKG 360
QY 361 SSLVLYSKYRYNQYFVDTWQGGIYASPTIAGSRPGGISAACWAALMHFGNGYVEAT 420
DB 361 SSVVMYSNEKYRTYQYFVGADWQGGVYASPSIAGSRPGGIIAACWAALMHFGNGYVEAT 420
QY 421 KQIIKTARFLKSELENIKGIFVGNPQLSLIAGSRDFDIYRLSNLMTAKGWNINLOQFP 480
DB 421 KQIIKTARFLKSELENIKGIFVGNPQLSLIAGSRDFDIYRLSNLMTAKGWNINLOQFP 480
QY 481 PSIHFCITLLHARKEVAIQFLKDIRESVTQIMKNPKAKTTGMGAIFYMAQATTIDRKLVAE 540
DB 481 RSIHFCITLVHTRKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIFYMAQATTIDRKLVAE 540
QY 541 LSSVFLDSLSTDTVTQSGQMGSPKP 567
DB 541 ISSVFLDCLYTTDPVTQGNQMGSPKP 567

RESULT 10
US-10-053-510-6
Sequence 6, Application US/10053510
Publication NO. US20030175939A1
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND METHODS OF USE THEREFOR

ORGANISM: Mus musculus
US-10-348-052-6
Query Match 85.8%; Score 2553; DB 15; Length 568;
Best Local Similarity 84.1%; Pred. No. 8.7e-245;
Matches 477; Conservative 43; Mismatches 47; Indels 0; Gaps 0;
Y 1 MPSTDLMLKAFEPYLEILEVYSTKAKNVNGCHTKYEPWQLIAMSVVWTLIIWGYEFV 60
b 1 MPSTDLMLKAFEPYLEILEVYSTKAKNVNGCHTKYEPWQLIAMSVVWTLIIWGYELI 60
Y 61 FQPSLWSRFKKCFKLTAKMPPIIGRIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
b 61 FQPSLWSRFKKCFKLTAKMPPIIGRIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
Y 121 LSSAVLEKLEKYSMDAPFQWGRASGTVYSGEKLTELLVKAAGDFAWNSPLHDPDPG 180
b 121 MGTAEVLEKLEKYSMDAPFQWGRASGTVYSGEKLTELLVKAAGDFAWNSPLHDPDPG 180
Y 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGTGESILMACKACRDLAPEKGIKTPETVAPQS 240
b 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGTGESILMACKACRDLAPEKGIKTPETVAPES 240
Y 241 AHAAFNKAASYFGMKIVRPLTKQMEVDVRAARRAISNTAMLVCSSTPQPHGVDPVPE 300
b 241 AHAAFNKAASYFGMKIVRPLTKQMEVDVRAARRAISNTAMLVCSSTPQPHGVDPVPE 300
Y 301 VAKLAVYKIPHLVDACLGGLFIVFMEKAGYPLEHPDFPRVKGVTSISADTHKYGYAPKG 360
b 301 VAKLAVYKIPHLVDACLGGLFIVFMEKAGYPLEHPDFPRVKGVTSISADTHKYGYAPKG 360
Y 361 SSVLYSDKKYRNYQFFVDTDMQGGIYASPTIAGSRPGGISAAACWAAALMHFGENGVEAT 420
b 361 SSVLYSDKKYRNYQFFVDTDMQGGIYASPTIAGSRPGGISAAACWAAALMHFGENGVEAT 420
Y 421 KQIITARFLKSELENIGIFVFNQPSLIALGSRDPDIYRLSNLMTAKGNLNLQLOPP 480
b 421 KQIITARFLKSELENIGIFVFNQPSLIALGSRDPDIYRLSNLMTAKGNLNLQLOPP 480
Y 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTTVDNRNVAE 540
b 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTTVDNRNVAE 540
Y 541 LSSVFLDSLSTDTVTQGSOMNGSPKP 567
b 541 LSSVFLDSLSTDTVTQGSOMNGSPKP 567
RESULT 12
US-10-286-175-10
; Sequence 10, Application US/10286175
; Publication No. US20030059922A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98055
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/286,175

FILING DATE: 30-Oct-2002
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Rosenman, Steven J.
REGISTRATION NUMBER: 43,058
REFERENCE/DOCKET NUMBER: 200116.402C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 488 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-286-175-10
Query Match 83.9%; Score 2498; DB 14; Length 488;
Best Local Similarity 85.9%; Pred. No. 2.1e-239;
Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;
QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNVNGCHTKYEPWQLIAMSVVWTLIIWGYEFV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKNVNGCHTKYEPWQLIAMSVVWTLIIWGYEFV 60
QY 61 FQPSLWSRFKKCFKLTAKMPPIIGRIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
Db 61 FQPSLWSRFKKCFKLTAKMPPIIGRIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
QY 121 LSSAVLEKLEKYSMDAPFQWGRASGTVYSGEKLTELLVKAAGDFAWNSPLHDPDPG 180
Db 121 LSSAVLEKLEKYSMDAPFQWGRASGTVYSGEKLTELLVKAAGDFAWNSPLHDPDPG 180
QY 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGTGESILMACKACRDLAPEKGIKTPETVAPQS 240
Db 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGTGESILMACKACRDLAPEKGIKTPETVAPQS 240
QY 241 AHAAFNKAASYFGMKIVRPLTKQMEVDVRAARRAISNTAMLVCSSTPQPHGVDPVPE 300
Db 241 AHAAFNKAASYFGMKIVRPLTKQMEVDVRAARRAISNTAMLVCSSTPQPHGVDPVPE 300
QY 301 VAKLAVYKIPHLVDACLGGLFIVFMEKAGYPLEHPDFPRVKGVTSISADTHKYGYAPKG 360
Db 301 VAKLAVYKIPHLVDACLGGLFIVFMEKAGYPLEHPDFPRVKGVTSISADTHK----- 353
QY 361 SSVLYSDKKYRNYQFFVDTDMQGGIYASPTIAGSRPGGISAAACWAAALMHFGENGVEAT 420
Db 354 ----- 353
QY 421 KQIITARFLKSELENIGIFVFNQPSLIALGSRDPDIYRLSNLMTAKGNLNLQLOPP 480
Db 354 -----LENIKGIFFVFNQPSLIALGSRDPDIYRLSNLMTAKGNLNLQLOPP 400
QY 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTTVDNRNVAE 540
Db 401 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTTVDNRNVAE 460
QY 541 LSSVFLDSLSTDTVTQGSOMNGSPKP 568
Db 461 LSSVFLDSLSTDTVTQGSOMNGSPKP 488
RESULT 13
US-10-197-073-10
; Sequence 10, Application US/10197073
; Publication No. US2003016687A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/197,073
FILING DATE: 15-Jul-2002
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Urivater, Julie A.
REGISTRATION NUMBER: 50,461
REFERENCE/DOCKET NUMBER: 200116.402D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 488 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 10:
US-10-197-073-10

Query Match 83.9%; Score 2498; DB 14; Length 488;
Best Local Similarity 85.9%; Pred. No. 2.1e-239;
Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;
QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYPEWQLIAWSVWTLIIWGYEFV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYPEWQLIAWSVWTLIIWGYEFV 60
QY 61 FQPSLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNMSFLKVDKEYVKALPSQG 120
Db 61 FQPSLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNMSFLKVDKEYVKALPSQG 120
QY 121 LSSSAVLEKLEKYSNDAPFWQEGRASGVYSGEEKLTLLVKAAGDFANSNPLHPDIFPG 180
Db 121 LSSSAVLEKLEKYSNDAPFWQEGRASGVYSGEEKLTLLVKAAGDFANSNPLHPDIFPG 180
QY 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDALAFKGIKTPPIVAPQS 240
Db 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDALAFKGIKTPPIVAPQS 240
QY 241 AHAAPNKAASYFGMKIVRVLTKMMEVDVRAVRRAISRNTAMLCVSTPQPHGVDPVPE 300
Db 241 AHAAPNKAASYFGMKIVRVLTKMMEVDVRAVRRAISRNTAMLCVSTPQPHGVDPVPE 300
QY 301 VAKLAVKYKIPLHVDAACLGGLIIVFMEKAGYPLEHPDFRVKGVTSISADTHK 353
Db 301 VAKLAVKYKIPLHVDAACLGGLIIVFMEKAGYPLEHPDFRVKGVTSISADTHK 353
QY 361 SSLVLVSKKRYNQPFVDTMQGGIYASPTIAGSRPGGISAAACWAALMHFGYVEAT 420
Db 361 SSLVLVSKKRYNQPFVDTMQGGIYASPTIAGSRPGGISAAACWAALMHFGYVEAT 420
QY 421 KQIITARFLKSELENIKGFVFGNPNLSIALGSRDPIYRLSNLMTAKGWNLNLOQFP 480
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Db 481 PSIHFCITLLHARKVAIQFLKDIRESVTQIMKNPKAKTTGMGAIVAMAQTTVDNRNVAE 540

RESULT 15
US-10-348-052-10

QY 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568
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RESULT 14
US-10-053-510-10
; Sequence 10, Application US/10053510
; Publication No. US20030175939A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: First, Henrik
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C2
; CURRENT APPLICATION NUMBER: US/10/053,510
; CURRENT FILING DATE: 2002-01-17
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-053-510-10
Query Match 83.9%; Score 2498; DB 14; Length 488;
Best Local Similarity 85.9%; Pred. No. 2.1e-239;
Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;
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Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYPEWQLIAWSVWTLIIWGYEFV 60
QY 61 FQPSLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNMSFLKVDKEYVKALPSQG 120
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QY 121 LSSSAVLEKLEKYSNDAPFWQEGRASGVYSGEEKLTLLVKAAGDFANSNPLHPDIFPG 180
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QY 241 AHAAPNKAASYFGMKIVRVLTKMMEVDVRAVRRAISRNTAMLCVSTPQPHGVDPVPE 300
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QY 361 SSLVLVSKKRYNQPFVDTMQGGIYASPTIAGSRPGGISAAACWAALMHFGYVEAT 420
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QY 421 KQIITARFLKSELENIKGFVFGNPNLSIALGSRDPIYRLSNLMTAKGWNLNLOQFP 480
Db 421 KQIITARFLKSELENIKGFVFGNPNLSIALGSRDPIYRLSNLMTAKGWNLNLOQFP 480
QY 481 PSIHFCITLLHARKVAIQFLKDIRESVTQIMKNPKAKTTGMGAIVAMAQTTVDNRNVAE 540
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; Sequence 10, Application US/10348052
; Publication No. US20030219782A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Fyrist, Henrik
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION
; OF SPHINGOLIPID METABOLISM AND/OR SIGNALING
; FILE REFERENCE: 200116.405
; CURRENT APPLICATION NUMBER: US/10/348,052
; CURRENT FILING DATE: 2003-01-17
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Homo sapiens
JS-10-348-052-10

Query Match      83.9%; Score 2498; DB 15; Length 488;
Best Local Similarity 85.9%; Pred. No. 2.1e-239;
Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;

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db 401 PSIHFCITLLHARKEVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTTVDRNVAE 460
2y 541 LSSVFLDSLYSTDVTQGSQNGSPKPH 568
db 461 LSSVFLDSLYSTDVTQGSQNGSPKPH 488

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GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

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itle: US-10-053-510-8

effect score: 2977
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Maximum Match 100%
Listing first 45 summaries

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3: /cgn2_6/ptodata/2/iaa/6A COMB pep.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

result No.	Score	Query Match	Length	DB	ID	Description
1	2977	100.0	568	4	US-08-939-309-4	Sequence 4, Appli
2	2977	100.0	568	4	US-09-849-180-4	Sequence 4, Appli
3	2977	100.0	568	4	US-09-356-643B-8	Sequence 8, Appli
4	2959	99.4	568	3	US-09-238-373-2	Sequence 2, Appli
5	2959	99.4	568	4	US-09-740-369-2	Sequence 2, Appli
6	2553	85.8	568	4	US-08-939-309-2	Sequence 2, Appli
7	2553	85.8	568	4	US-09-849-180-2	Sequence 2, Appli
8	2553	85.8	568	4	US-09-356-643B-6	Sequence 6, Appli
9	2498	83.9	488	4	US-08-939-309-10	Sequence 10, Appli
10	2498	83.9	488	4	US-09-849-180-10	Sequence 10, Appli
11	2498	83.9	488	4	US-09-356-643B-10	Sequence 10, Appli
12	1082	36.3	552	4	US-09-356-643B-11	Sequence 11, Appli
13	1008	33.9	542	4	US-08-939-309-6	Sequence 6, Appli
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15	1008	33.9	542	4	US-09-356-643B-4	Sequence 4, Appli
16	1007.5	33.8	589	4	US-08-939-309-8	Sequence 8, Appli
17	1007.5	33.8	589	4	US-09-849-180-8	Sequence 8, Appli
18	1007.5	33.8	589	4	US-09-356-643B-2	Sequence 2, Appli
19	355	11.9	76	3	US-09-238-373-4	Sequence 4, Appli
20	355	11.9	76	4	US-09-740-369-4	Sequence 4, Appli
21	272.5	9.2	479	4	US-09-543-681A-4856	Sequence 4856, Ap
22	258.5	8.7	466	3	US-09-068-195-25	Sequence 25, Appli
23	194	6.5	525	4	US-09-328-352-4492	Sequence 4492, Ap
24	184	6.2	493	4	US-09-489-039A-9811	Sequence 9811, Ap
25	156	5.2	517	4	US-09-540-236-2796	Sequence 2796, Ap
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27	151	5.1	588	4	US-09-543-681A-6545	Sequence 6545, Ap

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Sequence 4810, Ap
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29 144.5 4.9 398 4 US-09-328-352-4507
30 144 4.8 393 3 US-09-377-857-14
31 138 4.6 608 4 US-09-134-000C-4810
32 137 4.6 583 6 5475086-4
33 134.5 4.5 382 4 US-09-134-000C-5665
34 131 4.4 584 1 US-08-161-290-1
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36 131 4.4 585 1 US-08-117-907-2
37 131 4.4 585 1 US-08-485-718-11
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39 131 4.4 585 2 US-08-484-530-57
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41 131 4.4 585 2 US-08-494-624-2
42 131 4.4 585 2 US-08-827-618A-57
43 131 4.4 585 2 US-08-827-618A-59
44 131 4.4 585 3 US-08-483-952A-57
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ALIGNMENTS

RESULT 1
US-08-939-309-4
; Sequence 4, Application US/08939309
; Patent No. 6423527

GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
APPLICANT: Zhou, Jianhui
TITLE OF INVENTION: SPRINGOSINE-1-PHOSPHATE LYASE
TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
TITLE OF INVENTION: METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,309
FILING DATE: 29-SEP-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: David, Maki J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-939-309-4

Query Match 100.0%; Score 2977; DB 4; Length 568;
Best Local Similarity 100.0%; Pred. No. 2.1e-279;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-849-180-4
; Sequence 4, Application US/09849180
; Patent No. 6495359
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98055
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/849,180
; FILING DATE: 04-May-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Pepe, Jeffrey C.
; REGISTRATION NUMBER: 46,985
; REFERENCE/DOCKET NUMBER: 200116.402
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:

LENGTH: 568 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-849-180-4
Query Match 100.0%; Score 2977; DB 4; Length 568;
Best Local Similarity 100.0%; Pred. No. 2.1e-279; Indels 0; Gaps 0;
Matches 568; Conservative 0; Mismatches 0;
QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNVNGHCTKYEPQWLIAMSVVWTLIVNGYEVF 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKNVNGHCTKYEPQWLIAMSVVWTLIVNGYEVF 60
QY 61 FQPSLSRFRKKCFKLTTRKMPFIIGRIQDKLNTKDDISKNSFLKVDKEYVKALPSQG 120
Db 61 FQPSLSRFRKKCFKLTTRKMPFIIGRIQDKLNTKDDISKNSFLKVDKEYVKALPSQG 120
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Db 121 LSSSAVLEKLEYSMDAFWQEGRASGVYSGBEKLTLLVAVKAYGDFPANSNPLHPDIFPG 180
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Db 181 LRKTEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPPIVAPQS 240
QY 241 AHAAFNKAASYFGMKIVRVPLTKMMEVDVAMRRAISRNTAMLVCSPTQPPHGVDPVE 300
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Db 481 PSIHFCITLLHARKVAIOFLKDIRESVTOIMKNPKAKTTGMGAIIYAMAQTTVDNRNVAE 540
QY 541 LSSVFLDSLSTDTVTQGSQWNGSPKPH 568
Db 541 LSSVFLDSLSTDTVTQGSQWNGSPKPH 568

RESULT 3
US-09-356-643B-8
; Sequence 8, Application US/09356643B
; Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356,643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-356-643B-8
Query Match 100.0%; Score 2977; DB 4; Length 568;

Best Local Similarity 100.0%; Pred. No. 2.1e-279;
Matches 568; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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2Y 541 LSSVFLDSLSTDTVTQGSOMNGSPKPH 568
Db 541 LSSVFLDSLSTDTVTQGSOMNGSPKPH 568

RESULT 4
US-09-238-373-2
; Sequence 2, Application US/09238373A
; Patent No. 6187562
; GENERAL INFORMATION:
; APPLICANT: DUCKWORTH, DAVID MALCOLM
; APPLICANT: GODDEN, ROBERT JAMES
; APPLICANT: TESTA, TANIA TAMSON
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP-30034
; CURRENT APPLICATION NUMBER: US/09/238,373A
; CURRENT FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: UK 9824026.0
; EARLIER FILING DATE: 1998-11-03
; EARLIER APPLICATION NUMBER: EP 98300625.5
; EARLIER FILING DATE: 1998-01-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-238-373-2

Query Match 99.4%; Score 2959; DB 3; Length 568;
Best Local Similarity 99.5%; Pred. No. 1.2e-277;
Matches 565; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

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Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYPWQLIAWSVWTLIIWNGYEFV 60
QY 61 FQESLWSRFFKKCFKLTTRKMPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120
Db 61 FQESLWSRFFKKCFKLTTRKMPIIGRKIQDKLNKTDDISKMSFLKVDKEYVKALPSQG 120

QY 121 LSSAVLEKLEKEYSSMDAFWQEGRASGTIVSGEKLTELLVKAAGDFANSLPHDPDIFPG 180
Db 121 LSSAVLEKLEKEYSSMDAFWQEGRASGTIVSGEKLTELLVKAAGDFANSLPHDPDIFPG 180

QY 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTSSILMACACRDLAPEKGIKTEIIVAPQS 240
Db 181 LRKIEAEIVRIACSLFNGGPDSCGCVTSGGTSSILMACACRDLAPEKGIKTEIIVAPQS 240

QY 241 AHAAFNKAASYFGMKIVRVPDLTOMEVDVVRAMRAISRNTAMLVCSPTPOPHGVDPVPE 300
Db 241 AHAAFNKAASYFGMKIVRVPDLTOMEVDVVRAMRAISRNTAMLVCSPTPOPHGVDPVPE 300

QY 301 VAKLAVKYKIPLHVDAICLGGLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
Db 301 VAKLAVKYKIPLHVDAICLGGLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360

QY 361 SSLVLYSDKKYRNQYQFVDTDWQGGIYASPTIAGSRPGGISAACWAALMHFGENGIVEAT 420
Db 361 SSLVLYSDKKYRNQYQFVDTDWQGGIYASPTIAGSRPGGISAACWAALMHFGENGIVEAT 420

QY 421 KQIIKTARFLKSELENIGIFVFGNPSQLSIALGSRDPDIYRLSNLMTAKGNLNLQLOFP 480
Db 421 KQIIKTARFLKSELENIGIFVFGNPSQLSIALGSRDPDIYRLSNLMTAKGNLNLQLOFP 480

QY 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIIYAMAQTTVDNRNVAE 540
Db 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIIYAMAQTTVDNRNVAE 540

QY 541 LSSVFLDSLSTDTVTQGSOMNGSPKPH 568
Db 541 LSSVFLDSLSTDTVTQGSOMNGSPKPH 568

RESULT 5
US-09-740-369-2
; Sequence 2, Application US/09740369
; Patent No. 6521437
; GENERAL INFORMATION:
; APPLICANT: DUCKWORTH, DAVID MALCOLM
; APPLICANT: GODDEN, ROBERT JAMES
; APPLICANT: TESTA, TANIA TAMSON
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP-30034-D1
; CURRENT APPLICATION NUMBER: US/09/740,369
; CURRENT FILING DATE: 2000-12-19
; PRIOR APPLICATION NUMBER: EP 98300625.5
; PRIOR FILING DATE: 1998-01-29
; PRIOR APPLICATION NUMBER: UK 9824026.0
; PRIOR FILING DATE: 1998-11-03
; PRIOR APPLICATION NUMBER: 09/238,373
; PRIOR FILING DATE: 1999-01-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 568
; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-09-740-369-2

Query Match 99.4%; Score 2959; DB 4; Length 568;
Best Local Similarity 99.5%; Pred. No. 1.2e-277;
Matches 565; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYPWQLIAWSVWTLIIWNGYEFV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKNYVNGHCTKYPWQLIAWSVWTLIIWNGYEFV 60

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QY 61 FOPESLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNSFLKVDKEYVKALPSQG 120
DB 61 FOPESLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNSFLKVDKEYVKALPSQG 120
QY 121 LSSSAVLEKLEKYSNDAPFQWGRASGTVYSGEELTELLVKAAGDFAWNSPLHPDIFPG 180
DB 121 LSSSAVLEKLEKYSNDAPFQWGRASGTVYSGEELTELLVKAAGDFAWNSPLHPDIFPG 180
QY 181 LKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPEIVAPQS 240
DB 181 LKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPEIVAPQS 240
QY 241 AHAENKAAASYFGMKIVRVLTKMMEVDVRAWRRAISNTAMLCVSTPQPPHGVDPVPE 300
DB 241 AHAENKAAASYFGMKIVRVLTKMMEVDVRAWRRAISNTAMLCVSTPQPPHGVDPVPE 300
QY 301 VAKLAVKYKIPHLVDACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
DB 301 VAKLAVKYKIPHLVDACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
QY 361 SSLVLYSDKKYRNQYFFVDTWQGGIYASPTIAGSRPGGISAACWAALMHFGNGYVEAT 420
DB 361 SSLVLYSDKKYRNQYFFVDTWQGGIYASPTIAGSRPGGISAACWAALMHFGNGYVEAT 420
QY 421 KQIIKTARFLKSELENIKGIFVFGNPOLSIALGSRDFDIYRLSNLMTAKGWNLNQLOFP 480
DB 421 KQIIKTARFLKSELENIKGIFVFGNPOLSIALGSRDFDIYRLSNLMTAKGWNLNQLOFP 480
QY 481 PSIHFCITLLHARKVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVAMAQTTVDNRNVAE 540
DB 481 PSIHFCITLLHARKVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVAMAQTTVDNRNVAE 540
QY 541 LSSVFLDSLYSTDVTQGSQMGSPKX 568
DB 541 LSSVFLDSLYSTDVTQGSQMGSPKX 568

RESULT 6
US-08-939-309-2
; Sequence 2, Application US/08939309
; Patent No. 6423527
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/939,309
; FILING DATE: 29-SEP-1997
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: David, Maki J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 200116.402
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 568 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-939-309-2

Query Match 85.8%; Score 2553; DB 4; Length 568;
Best Local Similarity 84.1%; Pred. No. 2.5e-238;
Matches 477; Conservative 43; Mismatches 47; Indels 0; Gaps 0;

QY 1 MPSTDLMLKAFEPYLEIVYSTKKNYVNGHCTKYEPMQLIAWSVWTLIIWVGEYFV 60
DB 1 MPSTDLMLKAFEPYLEIVYSTKKNYVNGHCTKYEPMQLIAWSVWTLIIWVGEYFV 60
QY 61 FOPESLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNSFLKVDKEYVKALPSQG 120
DB 61 FOPESLWSRFKKCFKLTTRKMPILIGRKIQDKLNTKDDISKNSFLKVDKEYVKALPSQG 120
QY 121 LSSSAVLEKLEKYSNDAPFQWGRASGTVYSGEELTELLVKAAGDFAWNSPLHPDIFPG 180
DB 121 LSSSAVLEKLEKYSNDAPFQWGRASGTVYSGEELTELLVKAAGDFAWNSPLHPDIFPG 180
QY 181 LKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPEIVAPQS 240
DB 181 LKIEAEIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPEIVAPQS 240
QY 241 AHAENKAAASYFGMKIVRVLTKMMEVDVRAWRRAISNTAMLCVSTPQPPHGVDPVPE 300
DB 241 AHAENKAAASYFGMKIVRVLTKMMEVDVRAWRRAISNTAMLCVSTPQPPHGVDPVPE 300
QY 301 VAKLAVKYKIPHLVDACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
DB 301 VAKLAVKYKIPHLVDACLGFLIVFMEKAGYPLEHPDFRVKGVTSISADTHKYGYAPKG 360
QY 361 SSLVLYSDKKYRNQYFFVDTWQGGIYASPTIAGSRPGGISAACWAALMHFGNGYVEAT 420
DB 361 SSLVLYSDKKYRNQYFFVDTWQGGIYASPTIAGSRPGGISAACWAALMHFGNGYVEAT 420
QY 421 KQIIKTARFLKSELENIKGIFVFGNPOLSIALGSRDFDIYRLSNLMTAKGWNLNQLOFP 480
DB 421 KQIIKTARFLKSELENIKGIFVFGNPOLSIALGSRDFDIYRLSNLMTAKGWNLNQLOFP 480
QY 481 PSIHFCITLLHARKVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVAMAQTTVDNRNVAE 540
DB 481 PSIHFCITLLHARKVAIOFLKDIRESVTQIMKNPKAKTTGMGAIVAMAQTTVDNRNVAE 540
QY 541 LSSVFLDSLYSTDVTQGSQMGSPKX 567
DB 541 LSSVFLDSLYSTDVTQGSQMGSPKX 567

RESULT 7
US-08-949-180-2
; Sequence 2, Application US/09849180
; Patent No. 6495359
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESS: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98055
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,180
FILING DATE: 04-May-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Pepe, Jeffrey C.
REGISTRATION NUMBER: 46,985
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 568 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Query Match 85.8%; Score 2553; DB 4; Length 568;
Best Local Similarity 84.1%; Pred. No. 2.5e-238;
Matches 477; Conservative 43; Mismatches 47; Indels 0; Gaps 0;
1 MPSTDLMLKAFEPYLEILEVYSTKAKVYNGHCTKYEPWQLIANSVVMTLIVNGYEFV 60
1 MPGTDLKLKDFEPYLEILEVYSTKAKVYNGHCTKYEPWQLIANSVCLTLIVVNYELI 60
61 FQPESLWSRFFKKCFKLIRKMPFIIGRKIQDKLNTKDDISKMSFLKVDKEYVKALPQOG 120
61 FQPESLWSRFFKKCFKLIRKMPFIIGRKIEQVSKAKKDLVKNMFFLKVDKYVKTLPQOG 120
121 LSSAVLEKLEKEYSSMDAPWQEGRASGTVYSGEEXLTELIVKAYGDFANSPHLHDIFFP 180
121 MGTAEVLRLKEYSSMDGQWQEGKASGAVYNGEPKLTLLVQAYGEFTWSNPLHDIFFP 180
181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAPEKGIKTEIYAPQS 240
181 LRKLEAEIVRMTCSLFNGGPDSCGCVTSGGTESILMACAYRDLALEKGIKTEIYAPES 240
241 AHAFAFNKAASYFGMKIVRVPLTKMMEVDVAMRRRAISRNTAMLCVSTPQFPHGVDPVPE 300
241 AHAFAFNKAASYFGMKIVRVPLTKMMEVDVAMRRRAISRNTAMLCVSTPQFPHGVDPVPE 300
301 VAKLAVKYKIPHLVDACLGGLIVFMKAGYPLEHPDFRKGVTISADTHKYGYAPKG 360
301 VAKLTVRYKIPLHVDACLGGLIVFMKAGYPLEKPPDFRVKGVTSISADTHKYGYAPKG 360
361 SSLVLYSDKKYRNQYFVDTDMOGGIYASPTIAGSRPGGISAACWAALMHFGENGVEAT 420
361 SSVVMYSEKIRTYQFFVGADWQGVYASPSIAGSRPGGIIAACWAALMHFGENGVEAT 420
421 KOIKTARFLKSELENIKGIFVGNPQLSLIALGSRDEFIYRLSNLMTAKGNLNOLOPP 480
421 KOIKTARFLKSELENIKNIFIFGDPQLSVIALGNSDFIYRLSNMWSAKGNFNYLOPP 480
481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTVDNRNVAE 540
481 RSHFCITLVHTRKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTVDNRNVAE 540
541 LSSVFLDSLXYSTDVTQSQMNGSPKP 567
541 ISSVFLDCLYTTDPVTQGNQMGSPKP 567

RESULT 8
US-09-356-643B-6
; Sequence 6, Application US/09356643B
; Patent No. 6369666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.

; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356,643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 568
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-356-643B-6

Query Match 85.8%; Score 2553; DB 4; Length 568;
Best Local Similarity 84.1%; Pred. No. 2.5e-238;
Matches 477; Conservative 43; Mismatches 47; Indels 0; Gaps 0;
1 MPSTDLMLKAFEPYLEILEVYSTKAKVYNGHCTKYEPWQLIANSVVMTLIVNGYEFV 60
1 MPGTDLKLKDFEPYLEILEVYSTKAKVYNGHCTKYEPWQLIANSVCLTLIVVNYELI 60
61 FQPESLWSRFFKKCFKLIRKMPFIIGRKIQDKLNTKDDISKMSFLKVDKEYVKALPQOG 120
61 FQPESLWSRFFKKCFKLIRKMPFIIGRKIEQVSKAKKDLVKNMFFLKVDKYVKTLPQOG 120
121 LSSAVLEKLEKEYSSMDAPWQEGRASGTVYSGEEXLTELIVKAYGDFANSPHLHDIFFP 180
121 MGTAEVLRLKEYSSMDGQWQEGKASGAVYNGEPKLTLLVQAYGEFTWSNPLHDIFFP 180
181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAPEKGIKTEIYAPQS 240
181 LRKLEAEIVRMTCSLFNGGPDSCGCVTSGGTESILMACAYRDLALEKGIKTEIYAPES 240
241 AHAFAFNKAASYFGMKIVRVPLTKMMEVDVAMRRRAISRNTAMLCVSTPQFPHGVDPVPE 300
241 AHAFAFNKAASYFGMKIVRVPLTKMMEVDVAMRRRAISRNTAMLCVSTPQFPHGVDPVPE 300
301 VAKLAVKYKIPHLVDACLGGLIVFMKAGYPLEHPDFRKGVTISADTHKYGYAPKG 360
301 VAKLTVRYKIPLHVDACLGGLIVFMKAGYPLEKPPDFRVKGVTSISADTHKYGYAPKG 360
361 SSLVLYSDKKYRNQYFVDTDMOGGIYASPTIAGSRPGGISAACWAALMHFGENGVEAT 420
361 SSVVMYSEKIRTYQFFVGADWQGVYASPSIAGSRPGGIIAACWAALMHFGENGVEAT 420
421 KOIKTARFLKSELENIKGIFVGNPQLSLIALGSRDEFIYRLSNLMTAKGNLNOLOPP 480
421 KOIKTARFLKSELENIKNIFIFGDPQLSVIALGNSDFIYRLSNMWSAKGNFNYLOPP 480
481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTVDNRNVAE 540
481 RSHFCITLVHTRKRVAIQFLKDIRESVTQIMKNPKAKTTGMGAIYAMAQTVDNRNVAE 540
541 LSSVFLDSLXYSTDVTQSQMNGSPKP 567
541 ISSVFLDCLYTTDPVTQGNQMGSPKP 567

RESULT 9
US-08-939-309-10
; Sequence 10, Application US/08939309
; Patent No. 6423527
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue

```

: CITY: Seattle
: STATE: Washington
: COUNTRY: USA
: ZIP: 98104
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent in Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/339,309
: FILING DATE: 29-SEP-1997
: CLASSIFICATION: 800
: ATTORNEY/AGENT INFORMATION:
: NAME: David, Maki J.
: REGISTRATION NUMBER: 31,392
: REFERENCE/DOCKET NUMBER: 200116.402
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 622-4900
: TELEFAX: (206) 622-6031
: INFORMATION FOR SEQ ID NO: 10:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 488 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-939-309-10

: Query Match 83.9%; Score 2498; DB 4; Length 488;
: Best Local Similarity 85.9%; Pred. No. 4.1e-233;
: Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;

QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYEPMQLIAWSVVTLLIIVGWGEFV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYEPMQLIAWSVVTLLIIVGWGEFV 60
QY 61 FQPESLWSRFKKKCPKLTFRMPITIGRKIQDKLNKTDDISKNSFLKVDKEYVKALPSQG 120
Db 61 FQPESLWSRFKKKCPKLTFRMPITIGRKIQDKLNKTDDISKNSFLKVDKEYVKALPSQG 120
QY 121 LSSAVLEKLEKEYSMDAFWQEGRASGTYSGBEKLTELLVKAYGDFAWSNPLHPDIFPG 180
Db 121 LSSAVLEKLEKEYSMDAFWQEGRASGTYSGBEKLTELLVKAYGDFAWSNPLHPDIFPG 180
QY 181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPAIVAPQS 240
Db 181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPAIVAPQS 240
QY 241 AHAAFNKAASYFGMKIVRPLTKMVEVDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
Db 241 AHAAFNKAASYFGMKIVRPLTKMVEVDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
QY 301 VAKLAVKYKIPLVHVDACLGGLIIVFMEKAGYPLEHPDFRVRKGVTSISADTHKGYAPKG 360
Db 301 VAKLAVKYKIPLVHVDACLGGLIIVFMEKAGYPLEHPDFRVRKGVTSISADTHK 353
QY 361 SSLVLVSDKKYRNQFFVDTDWQGGIYASPTIAGSRPGISAAACWAALMHFGNGYVEAT 420
Db 361 SSLVLVSDKKYRNQFFVDTDWQGGIYASPTIAGSRPGISAAACWAALMHFGNGYVEAT 420

: RESULT 10
: US-09-849-180-10
: Sequence 10, Application US/09849180
: Patent No. 6495359
: GENERAL INFORMATION:
: APPLICANT: Saba, Julie D.
: TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
: METHODS OF USE THEREFOR
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Seed Intellectual Property Law Group
: STREET: 701 Fifth Avenue, Suite 6300
: CITY: Seattle
: STATE: Washington
: COUNTRY: USA
: ZIP: 98055
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent in Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/849,180
: FILING DATE: 04-May-2001
: CLASSIFICATION: <Unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Pepe, Jeffrey C.
: REGISTRATION NUMBER: 46,985
: REFERENCE/DOCKET NUMBER: 200116.402
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 622-4900
: TELEFAX: (206) 682-6031
: INFORMATION FOR SEQ ID NO: 10:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 488 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: SEQUENCE DESCRIPTION: SEQ ID NO: 10:
: US-09-849-180-10

: Query Match 83.9%; Score 2498; DB 4; Length 488;
: Best Local Similarity 85.9%; Pred. No. 4.1e-233;
: Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;

QY 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYEPMQLIAWSVVTLLIIVGWGEFV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKAKYVNGHCTKYEPMQLIAWSVVTLLIIVGWGEFV 60
QY 61 FQPESLWSRFKKKCPKLTFRMPITIGRKIQDKLNKTDDISKNSFLKVDKEYVKALPSQG 120
Db 61 FQPESLWSRFKKKCPKLTFRMPITIGRKIQDKLNKTDDISKNSFLKVDKEYVKALPSQG 120
QY 121 LSSAVLEKLEKEYSMDAFWQEGRASGTYSGBEKLTELLVKAYGDFAWSNPLHPDIFPG 180
Db 121 LSSAVLEKLEKEYSMDAFWQEGRASGTYSGBEKLTELLVKAYGDFAWSNPLHPDIFPG 180
QY 181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPAIVAPQS 240
Db 181 LRKIEAIVRIACSLFNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTPAIVAPQS 240
QY 241 AHAAFNKAASYFGMKIVRPLTKMVEVDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
Db 241 AHAAFNKAASYFGMKIVRPLTKMVEVDVVRAMRAISRNTAMLCVSTPQPHGVDPVPE 300
QY 301 VAKLAVKYKIPLVHVDACLGGLIIVFMEKAGYPLEHPDFRVRKGVTSISADTHKGYAPKG 360
Db 301 VAKLAVKYKIPLVHVDACLGGLIIVFMEKAGYPLEHPDFRVRKGVTSISADTHK 353
QY 361 SSLVLVSDKKYRNQFFVDTDWQGGIYASPTIAGSRPGISAAACWAALMHFGNGYVEAT 420
Db 361 SSLVLVSDKKYRNQFFVDTDWQGGIYASPTIAGSRPGISAAACWAALMHFGNGYVEAT 420
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Db 354 ----- 353
2Y 421 KQIIKTARFLKSELENIGIFVFGNPNLSIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 480
Db 354 -----LENIGIFVFGNPNLSIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 400
2Y 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRMVAE 540
Db 401 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRMVAE 460
2Y 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568
Db 461 LSSVFLDSLSTDTVTQGSQMGSPKPH 488
RESULT 11
US-09-356-643B-10
; Sequence 10, Application US/09356643B
; Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356.643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 488
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-356-643B-10
Query Match 83.9%; Score 2498; DB 4; Length 488;
Best Local Similarity 85.9%; Pred. No. 4,1e-233;
Matches 488; Conservative 0; Mismatches 0; Indels 80; Gaps 1;
2Y 1 MPSTDLMLKAFEPYLEILEVYSTKANNVNGHCTKYEPMQLIASVMTLLIVMGYEV 60
Db 1 MPSTDLMLKAFEPYLEILEVYSTKANNVNGHCTKYEPMQLIASVMTLLIVMGYEV 50
2Y 61 FQPSLWSRFKKCFKLRKMPITGRKIQDKLNKTKDDISKNNSEFLKVDKEYVKALPSQG 120
Db 61 FQPSLWSRFKKCFKLRKMPITGRKIQDKLNKTKDDISKNNSEFLKVDKEYVKALPSQG 120
2Y 121 LSSSAVLEKLEYSSMDAFWQEGASGTVYSGEKLTELLIVKAYGDPKSNPLHPDIFPG 180
Db 121 LSSSAVLEKLEYSSMDAFWQEGASGTVYSGEKLTELLIVKAYGDPKSNPLHPDIFPG 180
2Y 181 LRKTEAEIVRIACSLFNGSPDSCGCVTSGGTESILMACACRDLAFKGIKTEIIVAPQS 240
Db 181 LRKTEAEIVRIACSLFNGSPDSCGCVTSGGTESILMACACRDLAFKGIKTEIIVAPQS 240
2Y 241 AHAAPNKAASYFGHKIVRVLTKWMEVDVVRMRRAISRNTAMLCVSTPQPHGVDPVPE 300
Db 241 AHAAPNKAASYFGHKIVRVLTKWMEVDVVRMRRAISRNTAMLCVSTPQPHGVDPVPE 300
2Y 301 VAKLAVKYKIPLHVDAACLGGLIIVFMEKAGYPLEHPDFRVKGVTSISADTHK- 360
Db 301 VAKLAVKYKIPLHVDAACLGGLIIVFMEKAGYPLEHPDFRVKGVTSISADTHK- 353
2Y 361 SSLVLYSDKKYRNQYQFFVDDTDWQGGIIVASPTIAGSRPGGISAAACWAALMFGENGVTEAT 420
Db 354 ----- 353
2Y 421 KQIIKTARFLKSELENIGIFVFGNPNLSIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 480
Db 354 -----LENIGIFVFGNPNLSIALGSRDFDIYRLSNLMTAKGNLNLQLOPP 400
2Y 481 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRMVAE 540

Db 401 PSIHFCITLLHARKRVAIQFLKDIRESVTQIMKNPKAKTTGMAIYAMAQTTVDNRMVAE 460
2Y 541 LSSVFLDSLSTDTVTQGSQMGSPKPH 568
Db 461 LSSVFLDSLSTDTVTQGSQMGSPKPH 488
RESULT 12
US-09-356-643B-11
; Sequence 11, Application US/09356643B
; Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356.643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 552
; TYPE: PRT
; ORGANISM: C. elegans
US-09-356-643B-11
Query Match 36.3%; Score 1082; DB 4; Length 552;
Best Local Similarity 42.7%; Pred. No. 7e-96;
Matches 228; Conservative 97; Mismatches 197; Indels 12; Gaps 7;
2Y 30 VNGHCTKYEPMQLI-----AMSVVMTLLIVMGYEVFQPSLWSRFKKCFKLRKMPITIG 85
Db 22 INDRLSRYDPWLVAALAFGGLTYTKV---HLYRKSEDPILKRMGAYVFSLLRKLPAVR 78
2Y 86 RKIQDKLNKTKDDISKNNSEFLKVDKEYVKALPSQG:SSSAVLEKLEYSSMDAF-WQEGR 144
Db 79 DKLEKLEUAERKPLKESIHKKDKQFISTLPALPSQDSINELAKKYEDYTFNIDGR 138
2Y 145 ASGTVYSGEE-KLTELIVKAYGDFAMSNPLHPDIFPLGRKIEAEIVRIACSLFNGSPDSC 203
Db 139 VSGAVYTDRAEHINLLGKIYEKAFSNPLHPDVPFGARKMEALIRMYVLNLYNGPEDSS 198
2Y 204 GCVTSGGTESILMACACRDLAFKGIKTEIIVAPOSAHAAFNKAASYFGMKIVRVLTK 263
Db 199 GSVTSGGTESILMACFSYRNRAHSLGIEHPVLACKTAHAADFKAHLGCMKLRHVVD 258
2Y 264 MMEVDVVRMRRAISRNTAMLCVSTPQPHGVDPVPEVAKLAVKYKIPLHVDAACLGGLI 323
Db 259 DNRVDLEMERLIDNSVCMVLSGAPNFPSTIDPIEIAKLGKYGIPVHVDAACLGGLI 318
2Y 324 VFMEKAGYPLEHPDFRVKGVTSISADTHKYGAPKGSLLVLYSDKKYRNQYQFFVDDTDWQ 383
Db 319 PFMDAGY-LIPVDFRNPFGVTSISCDTHKYGCTPKGSSIVMYRSKELHFFQYFVSADWC 377
2Y 384 GGIYASPTIAGSRPGGISAAACWAALMFGENGVTEATKQIIKTARFLKSELENIGIFV 443
Db 378 GGIYATPTIAGSRAGANTAVATLISFGEDEVRCQIVKHTMLAEKIEKWKIPY 437
2Y 444 GNPOLSIALGSRDFDIYRLSNLMTAKGNLNLQLOPPSIHFCITLLHARKRVAIQFLK 503
Db 438 GKSDVSLVAFSGNGVNIYEVSDDKMKLGNLNTLQNPAAIHICLTINQANEEVNAFVD 497
2Y 504 IRESVTQI-MKNPKAKTTGMAIYAMAQTTVDNRMVAELSSVFLDSLSTDTVT 556
Db 498 LEKICEBLAAGSQKADSGVAANYGMA-AQVPKSVVDVIALYIDATYAPST 550
RESULT 13
US-09-939-309-6
; Sequence 6, Application US/08939309
; Patent No. 642327
; GENERAL INFORMATION:

APPLICANT: Saba, Julie D.
APPLICANT: Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,309
FILING DATE: 29-SEP-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: David, Maki J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 542 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6
US-08-939-309-6
Query Match 33.9%; Score 1008; DB 4; Length 542;
Best Local Similarity 38.1%; Pred. No. 1e-88;
Matches 206; Conservative 121; Mismatches 201; Indels 12; Gaps 7;
QY 19 LEVYSTKAKNVYNGHCTKYEPEWQLIAMSVVWTLIVWGVEYFVQPESLNRSFKKCKFKLT 78
DB 5 LEQYHS-AKDLIFELRKFNPIVLSSTIVATVYVTLNLRHMLDGMIRKLSLWTFVTV 63
QY 79 RMPPIGRKIQDKLNTKDDISKNNMFLKVDKEYKALPSQGLSSAVLEKLEYSMDA 138
DB 64 KRVPFIRKMDKQNEVKDELEKSLRIVDRSTEYFTTIPSHSVGRTEVLRLLAAIYDDLEG 123
QY 139 -FWQGRASGVYSGEKL--TELLVKAAGDFANSNPLHPDIFPGLRKIEAEIVRIACSL 195
DB 124 PAFLEGRVSGAVFNREDDKDEREMEEVFGKPAWNTPLWPKLFGVRIMEAEVVRMCCNM 183
QY 196 FNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTEPIVAPQSAHAFAFNKAASYFGMK 255
DB 184 MNGDSETCGTSTGGISILLACLAHNRLLKRGKYTEMIVPSSVHAAPFAAECFRK 243
QY 256 IVRVPLTKM-MEVDVAMERARISNTAMLCVSTPQPHGVDPVPEVAKLVKYLPHV 314
DB 244 VRKIPVDPTFKVDLVKMAAINKTCTMLVGSAPNFPFGTVDDEIAGQLGLETDIPVHV 303
QY 315 DACLGGLVFMKAGYPLEHPDFRVRKGVTSISADTHKYGYAPKGSLLVLYSDKKYRNY 374
DB 304 DACLGGLLPFLEED---EIRYDRVPVGVSSISADSHKYGLAPKGSVWLYRNKELHN 359
QY 375 QFVTDWQGGIYASFTIAGSPGGISACWALMHFGENGVEATKGIITAFPLKSEL 434
DB 360 QYFCDADWQGGIYASFTIAGSMGAGHIALCWAAMLYHAQEGYKANARKIVDTTRKRNGL 419
QY 435 ENIKGIFVFGNPNLSIALGSRD-FDIYRLSLNMTAKGNLNLQLOFPSPSIHFCITLLHAR 493
DB 420 SNIKGIKLQGPSDVCIVSNTNDGVLYELFRHFMKEKHQNLQLOFPAGVHIWMTNHTH 479

QY 494 KRVAIQFLKDIRSVTQIM--KNPKAKTTGMGAIYAMAQTTVDNRNMVAELSSVELDLSYS 551
DB 480 PGLAEAFVADCRAAVEFVKHSESDKTSAAIYGLAUSIPDRSLVHFEFAHSYIDAVTA 539
RESULT 14
US-09-849-180-6
Sequence 5, Application US/09849180
Patent No. 6495359
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,180
FILING DATE: 04-May-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Pepe, Jeffrey C.
REGISTRATION NUMBER: 46,985
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 542 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 6
US-09-849-180-6
Query Match 33.9%; Score 1008; DB 4; Length 542;
Best Local Similarity 38.1%; Pred. No. 1e-88;
Matches 206; Conservative 121; Mismatches 201; Indels 12; Gaps 7;
QY 19 LEVYSTKAKNVYNGHCTKYEPEWQLIAMSVVWTLIVWGVEYFVQPESLNRSFKKCKFKLT 78
DB 5 LEQYHS-AKDLIFELRKFNPIVLSSTIVATVYVTLNLRHMLDGMIRKLSLWTFVTV 63
QY 79 RMPPIGRKIQDKLNTKDDISKNNMFLKVDKEYKALPSQGLSSAVLEKLEYSMDA 138
DB 64 KRVPFIRKMDKQNEVKDELEKSLRIVDRSTEYFTTIPSHSVGRTEVLRLLAAIYDDLEG 123
QY 139 -FWQGRASGVYSGEKL--TELLVKAAGDFANSNPLHPDIFPGLRKIEAEIVRIACSL 195
DB 124 PAFLEGRVSGAVFNREDDKDEREMEEVFGKPAWNTPLWPKLFGVRIMEAEVVRMCCNM 183
QY 196 FNGGPDSCGCVTSGGTESILMACACRDLAFKGIKTEPIVAPQSAHAFAFNKAASYFGMK 255
DB 184 MNGDSETCGTSTGGISILLACLAHNRLLKRGKYTEMIVPSSVHAAPFAAECFRK 243
QY 256 IVRVPLTKM-MEVDVAMERARISNTAMLCVSTPQPHGVDPVPEVAKLVKYLPHV 314
DB 244 VRKIPVDPTFKVDLVKMAAINKTCTMLVGSAPNFPFGTVDDEIAGQLGLETDIPVHV 303
QY 315 DACLGGLVFMKAGYPLEHPDFRVRKGVTSISADTHKYGYAPKGSLLVLYSDKKYRNY 374

Db 304 DACLGGLLPLEED---EIRYDFRVGVSSISADSHKYGGLAPKSSVVLVYRNKELLHN 359
Qy 375 QFFVDTMQGGIYASPTIAGSRPGGISAACWAALMHFGENGYYEATKQIKITARFLKSEL 434
Db 360 QYFCDADWQGGIYASATMEGSRAGHIALCWAAMLVHAQEGYKANARKIVDITRKIRNGL 419
Qy 435 ENIKGIFVFGNPQLSLIALGSRD-FDIYRLSNLMTAKGNLNLQPPPSIHFCITILLHAR 493
Db 420 SNIKGILQGGSDVCIVSWTTNDGVEIYRFRNFKEKHQWLNGLQPPAGVHIMVTWNHTH 479
Qy 494 KRVAIQFLKDIRESVTQIM--KNPKAKITGTGAIYAMAQTVDNRNVAELSSVFLDSLVS 551
Db 480 PGLAEAFVADCKRAAEVFKSHKPSSEDKTSEAAIYGLAQSIDRSLVHFEFAHSYIDAVYA 539

RESULT 15
US-09-356-643B-4
; Sequence 4, Application US/09356643B
; Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356,643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 542
; TYPE: PRT
; ORGANISM: C. elegans
US-09-356-643B-4

Query Match 33.9%; Score 1008; DB 4; Length 542;
Best Local Similarity 38.1%; Pred. No. 1e-85;
Matches 206; Conservative 121; Mismatches 201; Indels 12; Gaps 7;

Qy 19 LEVYSTKAKVYNGHCTKYEPMQLIAMSVMWTLIVWGYEFVQFOPESLWSRFKKKCPKLT 78
Db 5 LEQYHS-AKDLLIFELRKENPIVLVSSTIVATYVLTNLRHMLDEMGIKRLSTWFFTV 63
Qy 79 RMPPIGRKIQLKNTKDDISKNMSFLKVDKEYVKALPSQGLSSAVLEKLEYSSMDA 138
Db 64 KRYPFIRKIMDKQNEVDKLESLURIDRSTETPTIPSHSVGRTVLRLLAAYDDLEG 123
Qy 139 -FWQGRAGSTVYSGEKL--TELLVAYGDFAMGNPLHPDIPGLRKIEAEIVRIACSL 195
Db 124 PAFLEGRVSGAVNREDDKDEREYEEVFGKFAWNPPLWPKLFGVRIAEAVVRMCCNM 183
Qy 196 FNGGDSOCCVTSGGTESILMACACRDLAFKGIKTEIYAPQSAHAAPNKAASYEGMK 255
Db 184 MNGDSECTGTMSTGGSISILLACLAHRNLLKRGKEYTEMIVIPSSVHAAPFAAECPRIK 243
Qy 256 IYVPLTKM-MEYDVVRAMRAISRNTAMLVCSPTOPPHGVVIDFVPEVAKLAVKYKIPLVH 314
Db 244 VRKIPVDPVTFKVDLVKMAAKINKTCMLVSGAPNPPFGTVDDEIAIGQLGLEVDIPVHV 303
Qy 315 DACLGGLIVFMKAGYPLEHPDPFRVKGVTISADTHYGYAPKSSLVLYSDKKYNY 374
Db 304 DACLGGLLPLEED---EIRYDFRVGVSSISADSHKYGGLAPKSSVVLVYRNKELLHN 359
Qy 375 QFFVDTMQGGIYASPTIAGSRPGGISAACWAALMHFGENGYYEATKQIKITARFLKSEL 434
Db 360 QYFCDADWQGGIYASATMEGSRAGHIALCWAAMLVHAQEGYKANARKIVDITRKIRNGL 419
Qy 435 ENIKGIFVFGNPQLSLIALGSRD-FDIYRLSNLMTAKGNLNLQPPPSIHFCITILLHAR 493
Db 420 SNIKGILQGGSDVCIVSWTTNDGVEIYRFRNFKEKHQWLNGLQPPAGVHIMVTWNHTH 479
Qy 494 KRVAIQFLKDIRESVTQIM--KNPKAKITGTGAIYAMAQTVDNRNVAELSSVFLDSLVS 551

Db 480 PGLAEAFVADCKRAAEVFKSHKPSSEDKTSEAAIYGLAQSIDRSLVHFEFAHSYIDAVYA 539
Search completed: March 30, 2004, 06:45:00
Job time : 32 secs

GenCore version 5.1.6
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DM nucleic - nucleic search, using sw model

Run on: March 30, 2004, 04:58:48 ; Search time 450 Seconds
(without alignments)
14122.617 Million cell updates/sec

Title: US-10-053-510-7
Perfect score: 1707
Sequence: 1 atgctcagacagacattctt.....gtctccaaacccactga 1707

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 2458946 seqs, 1861504846 residues

Total number of hits satisfying chosen parameters: 4917892

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA:
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2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:
3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:
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18: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1707	100.0	1707	14	US-10-286-175-3
2	1707	100.0	1707	14	US-10-197-073-3
3	1707	100.0	1707	14	US-10-053-510-7
4	1707	100.0	1707	15	US-10-348-052-7
5	1702.2	99.7	1707	14	US-10-053-510-17
6	1702.2	99.7	1707	15	US-10-348-052-17
7	1699	99.5	1707	15	US-10-348-052-23
8	1699	99.5	2130	9	US-09-740-369-1
9	1699	99.5	5741	10	US-09-967-669-3
10	1278.2	74.9	1707	14	US-10-286-175-1
11	1278.2	74.9	1707	14	US-10-197-073-1
12	1278.2	74.9	1707	14	US-10-053-510-5
13	1278.2	74.9	1707	15	US-10-348-052-5
14	1217	71.3	1467	14	US-10-286-175-9
15	1217	71.3	1467	14	US-10-197-073-9

16	1217	71.3	1467	14	US-10-053-510-9
17	1217	71.3	1467	15	US-10-348-052-9
18	558	32.7	670	10	US-09-967-669-12
19	401.6	23.5	2043	15	US-10-348-052-26
20	401.6	23.5	2043	15	US-10-348-052-27
21	401.6	23.5	2060	15	US-10-149-165-5
22	388.4	23.3	1638	14	US-10-053-510-15
23	388.4	23.3	1638	15	US-10-348-052-15
24	384.8	21.4	474	10	US-09-967-669-11
25	284.4	16.7	785	9	US-09-740-369-3
26	256.2	15.0	1770	14	US-10-286-175-7
27	256.2	15.0	1770	14	US-10-197-073-7
28	256.2	15.0	1770	14	US-10-053-510-1
29	256.2	15.0	1770	15	US-10-348-052-1
30	241	14.1	54945	10	US-09-967-669-10
31	225.6	13.2	1629	14	US-10-286-175-5
32	225.6	13.2	1629	14	US-10-197-073-5
33	225.6	13.2	1629	14	US-10-053-510-3
34	225.6	13.2	1629	15	US-10-348-052-3
35	210.4	12.3	2210	12	US-10-424-599-28254
36	80.2	4.7	3162	14	US-10-053-510-12
37	80.2	4.7	3162	15	US-10-348-052-12
38	74	4.3	168	15	US-10-062-674-570
39	68.4	4.0	243	9	US-09-923-876-202
40	68.4	4.0	243	11	US-09-923-876-202
41	58.4	3.4	60	10	US-09-908-975-9862
42	38.6	2.3	1049	12	US-10-142-426-358
43	38.6	2.3	1049	14	US-10-123-155-358
44	38.6	2.3	1049	14	US-10-146-731-358
45	38.6	2.3	1049	14	US-10-140-472-358

ALIGNMENTS

RESULT 1

US-10-286-175-3
; Sequence 3, Appli US/10286175
; Publication No. US2003005922A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; Zhou, Jianhui

TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/286,175
FILING DATE: 30-Oct-2002
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Rosenman, Steven J.
REGISTRATION NUMBER: 43,058
REFERENCE/DOCKET NUMBER: 200116.402C3

TELECOMMUNICATION INFORMATION:
SEQUENCE 3, Appli
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1707 base pairs
TYPE: nucleic acid

STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1704
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-286-175-3

Query Match 100.0%; Score 1707; DB 14; Length 1707;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1707; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCCCTAGCAGACCTCTGTGATGTTGAAGCCCTTGAGCCCTACTTAGAGATTTGGAA 60
DB 1 ATGCCCTAGCAGACCTCTGTGATGTTGAAGCCCTTGAGCCCTACTTAGAGATTTGGAA 60
QY 61 GTATATCTCCACAAAAGCCAAAGATTTATGTAATGAGACATTGCACCAAGTATGAGCCCTGG 120
DB 61 GTATATCTCCACAAAAGCCAAAGATTTATGTAATGAGACATTGCACCAAGTATGAGCCCTGG 120
QY 121 CAGCTAAATGCGATGAGTGTCTGTGGACCCCTGCTGATAGTCTGGGATATGATTTGTC 180
DB 121 CAGCTAAATGCGATGAGTGTCTGTGGACCCCTGCTGATAGTCTGGGATATGATTTGTC 180
QY 181 TTCCAGCCAGAGAGTTATGTTCAAGGTTTAAAGAAATGTTTAAAGCTCACCAGGAAG 240
DB 181 TTCCAGCCAGAGAGTTATGTTCAAGGTTTAAAGAAATGTTTAAAGCTCACCAGGAAG 240
QY 241 ATGCCCATTTATGCTGTAAGATTCAAGCAAGTTGAACAGACCAAGGATGATATTAGC 300
DB 241 ATGCCCATTTATGCTGTAAGATTCAAGCAAGTTGAACAGACCAAGGATGATATTAGC 300
QY 301 AAGAACATGTCATTCTCTGAAAGTGAACAAAGAGTATGTGAAGCTTTACCTCCAGGGT 360
DB 301 AAGAACATGTCATTCTCTGAAAGTGAACAAAGAGTATGTGAAGCTTTACCTCCAGGGT 360
QY 361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAGAGATACAGCTCTATGGAGCCCTCTGG 420
DB 361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAGAGATACAGCTCTATGGAGCCCTCTGG 420
QY 421 CAAGAGGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAACTCACTGAGCTCCTT 480
DB 421 CAAGAGGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAACTCACTGAGCTCCTT 480
QY 481 GTGAAGCCTTATGGAGATTTGATCGAGATTAACCCCTGATCCAGATATCTTCCAGGA 540
DB 481 GTGAAGCCTTATGGAGATTTGATCGAGATTAACCCCTGATCCAGATATCTTCCAGGA 540
QY 541 CTACGCAAGATAGAGCAGAAATTTGAGATAGCTTTCCCTGTTCAATGGGGAGCA 600
DB 541 CTACGCAAGATAGAGCAGAAATTTGAGATAGCTTTCCCTGTTCAATGGGGAGCA 600
QY 601 GATTCTGCTGATGCTGTGACTTCTGGGGGAAACAGAAAGCATATCATGCCCTGCAAGCA 660
DB 601 GATTCTGCTGATGCTGTGACTTCTGGGGGAAACAGAAAGCATATCATGCCCTGCAAGCA 660
QY 661 TGTGGGATCTGGCCTTTGAGAGGGGATCAAAACTCCAGAAATTTGGCTCCCAAGT 720
DB 661 TGTGGGATCTGGCCTTTGAGAGGGGATCAAAACTCCAGAAATTTGGCTCCCAAGT 720
QY 721 GCCCATCTGCTGATTTACAAAGCAGCAGTACTTTGGGATGAAGATTTGGGGTCCCA 780
DB 721 GCCCATCTGCTGATTTACAAAGCAGCAGTACTTTGGGATGAAGATTTGGGGTCCCA 780
QY 781 TTGACGAAGATGATGAGGTGGATGAGGGGCAATGAGAGAGCTATCTCCAGGAACACT 840
DB 781 TTGACGAAGATGATGAGGTGGATGAGGGGCAATGAGAGAGCTATCTCCAGGAACACT 840
QY 841 GCCATGCTGCTGCTCTACCCACAGTTTCTCATGGTGAATAGATCTCTCCCTGAA 900
DB 841 GCCATGCTGCTGCTCTACCCACAGTTTCTCATGGTGAATAGATCTCTCCCTGAA 900
QY 901 GTGCCCAAGCTGGCTGTCAAAATACAAATAACCCCTTCATGTCAGCCCTGTCTGGAGGC 960

DB 901 GTGCCCAAGCTGGCTGTCAATATACAAATACCCCTTCATGTCAGCCCTGTCTGGAGGC 960
QY 961 TTCTCATCTCTTTATGGAGAAAGCAGATACCCACTGGAGCACCCTTTCATTTCCGG 1020
DB 961 TTCTCATCTCTTTATGGAGAAAGCAGATACCCACTGGAGCACCCTTTCATTTCCGG 1020
QY 1021 GTGAAGGTGTACCCAGCATTTTCAGCTGCACCCATAAGTATGGCTATGCCCAAAAGC 1080
DB 1021 GTGAAGGTGTACCCAGCATTTTCAGCTGCACCCATAAGTATGGCTATGCCCAAAAGC 1080
QY 1081 TCATCATTTGTTGTATAGTGAAGAAGTACAGAACTATCAGTTCTTCGTCGATACA 1140
DB 1081 TCATCATTTGTTGTATAGTGAAGAAGTACAGAACTATCAGTTCTTCGTCGATACA 1140
QY 1141 GATTGGCAGGTGTCATCTATGCTTCCCAACCATCGAGGCTCAGGCTGTGTGCAATT 1200
DB 1141 GATTGGCAGGTGTCATCTATGCTTCCCAACCATCGAGGCTCAGGCTGTGTGCAATT 1200
QY 1201 AGCCGAGCCTGTTGGGCTGCTTGAATGACCTTCGGTGAACCGCTATGTTGAAGTACC 1260
DB 1201 AGCCGAGCCTGTTGGGCTGCTTGAATGACCTTCGGTGAACCGCTATGTTGAAGTACC 1260
QY 1261 AAACAGATCATCAAACTGCTGCTTCCCAAGTCAAGTCAAGAACTGAAATATCAAGGCATC 1320
DB 1261 AAACAGATCATCAAACTGCTGCTTCCCAAGTCAAGTCAAGAACTGAAATATCAAGGCATC 1320
QY 1321 TTTGTTTTGGGAATCCCAATTCATCTGCTGCGATCCCGTGAATTTTGACATC 1380
DB 1321 TTTGTTTTGGGAATCCCAATTCATCTGCTGCGATCCCGTGAATTTTGACATC 1380
QY 1381 TACCGACTATCAAACTGATGACTGCTAAGGGTGAACCTTGAACAGTTGCAAGTTCCCA 1440
DB 1381 TACCGACTATCAAACTGATGACTGCTAAGGGTGAACCTTGAACAGTTGCAAGTTCCCA 1440
QY 1441 CCCAGTATTCATTTTCGATCATTCTGCTGCGATCCCGTGAATTTTGACATC 1500
DB 1441 CCCAGTATTCATTTTCGATCATTCTGCTGCGATCCCGTGAATTTTGACATC 1500
QY 1501 CTAAGAGCATTCGAGATCTGCTCAATCATGAATCCTTAAGCGAAGACCA 1560
DB 1501 CTAAGAGCATTCGAGATCTGCTCAATCATGAATCCTTAAGCGAAGACCA 1560
QY 1561 GGAATGGGTGCCATCTATGCCATGCCAGAACACTGTTGACAGAAATATGTTGCAAG 1620
DB 1561 GGAATGGGTGCCATCTATGCCATGCCAGAACACTGTTGACAGAAATATGTTGCAAG 1620
QY 1621 TTGCTCTCAGTCTTTGGACAGCTTTGACAGCCGACACTGTCCCGGGCAGCCAG 1680
DB 1621 TTGCTCTCAGTCTTTGGACAGCTTTGACAGCCGACACTGTCCCGGGCAGCCAG 1680
QY 1681 ATGAATGGTTCCTCAAAACCCCACTGA 1707
DB 1681 ATGAATGGTTCCTCAAAACCCCACTGA 1707

RESULT 2

US-10-197-073-3

; Sequence 3, Application US/10197073

; Publication No. US20030166897A1

; GENERAL INFORMATION:

; APPLICANT: Saba, Julie D.

; Zhou, Jianhui

; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE

; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND

; METHODS OF USE THEREFOR

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed Intellectual Property Law Group

; STREET: 701 Fifth Avenue, Suite 6300

; CITY: Seattle

; STATE: Washington

; COUNTRY: USA

ZIP: 98055
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/197,073
FILING DATE: 15-Jul-2002
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Urwater, Julie A.
REGISTRATION NUMBER: 50,461
REFERENCE/DOCKET NUMBER: 200116.402D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1707 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1704
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-197-073-3

Query Match 100.0%; Score 1707; DB 14; Length 1707;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1707; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ATGCGTACACAGACCTTCTGATGTGAAGCCCTTGAAGCCCTTACCTAGAGATTTGGAA	60
DB	1	ATGCGTACACAGACCTTCTGATGTGAAGCCCTTGAAGCCCTTACCTAGAGATTTGGAA	60
QY	61	GTATCTCCAAAGAGCAAGATTTATGTAATGACATTCACCAAGTATGAGCCCTGG	120
DB	61	GTATCTCCAAAGAGCAAGATTTATGTAATGACATTCACCAAGTATGAGCCCTGG	120
QY	121	CAGCTAATTGTCATGAGTGTCTGTGGACCTGCTGTATGCTGGGATATGATTTGTC	180
DB	121	CAGCTAATTGTCATGAGTGTCTGTGGACCTGCTGTATGCTGGGATATGATTTGTC	180
QY	181	TTCCAGCCAGAGATTTATGTCAGAGTTTAAAGAAATGTTTAAAGCTCACCGAAG	240
DB	181	TTCCAGCCAGAGATTTATGTCAGAGTTTAAAGAAATGTTTAAAGCTCACCGAAG	240
QY	241	ATGCCCATTTATGGTCGTAAGATTCAGACAAAGTTGAACAGACCAAGGATGATTTAGC	300
DB	241	ATGCCCATTTATGGTCGTAAGATTCAGACAAAGTTGAACAGACCAAGGATGATTTAGC	300
QY	301	AAGACATGTCATCTGTAAGTGGACAAAGATGATGTGAAGCTTTACCTCCAGGCT	360
DB	301	AAGACATGTCATCTGTAAGTGGACAAAGATGATGTGAAGCTTTACCTCCAGGCT	360
QY	361	CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGGAGCCCTTCTGG	420
DB	361	CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGGAGCCCTTCTGG	420
QY	421	CAAGAGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCATGAGCTCTT	480
DB	421	CAAGAGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCATGAGCTCTT	480
QY	481	GTGAAGCTTTATGGAGATTTTCATGGAGTAAACCCCTGCATCCAGATATCTTCCAGGA	540
DB	481	GTGAAGCTTTATGGAGATTTTCATGGAGTAAACCCCTGCATCCAGATATCTTCCAGGA	540
QY	541	CTACGCAAGATAGAGCAAAATTTGTAGGATGATGTTTCTTCCCTGTTCAATGGGGACCA	600
DB	541	CTACGCAAGATAGAGCAAAATTTGTAGGATGATGTTTCTTCCCTGTTCAATGGGGACCA	600

QY	601	GATTCTGTGGATGTGTGACTTCTGGGGAAACAGAAAGCATACTCATGCTCTGAAAGCA	660
DB	601	GATTCTGTGGATGTGTGACTTCTGGGGAAACAGAAAGCATACTCATGCTCTGAAAGCA	660
QY	661	TGTCGGGATCTGGCTTCTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT	720
DB	661	TGTCGGGATCTGGCTTCTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT	720
QY	721	GCCCATGCTGCATTTAAACAAAGCAGCCATTACTTTTGGGATGAAAGTTGTGGGTCCCA	780
DB	721	GCCCATGCTGCATTTAAACAAAGCAGCCATTACTTTTGGGATGAAAGTTGTGGGTCCCA	780
QY	781	TTGACGAGATGATGAGGTGGATGTGAGGCAATGAGAGAGCTATCTCCAGGAACT	840
DB	781	TTGACGAGATGATGAGGTGGATGTGAGGCAATGAGAGAGCTATCTCCAGGAACT	840
QY	841	GCCATGCTGCTGTTCTACCCACAGTTTCTCTCATGTTGTAATAGATCTCTCCCTGAA	900
DB	841	GCCATGCTGCTGTTCTACCCACAGTTTCTCTCATGTTGTAATAGATCTCTCCCTGAA	900
QY	901	GTGCCAAGCTGGCTGTCAAAATACAAATACCCCTTCACTGACGCTTGTCTGGAGGC	960
DB	901	GTGCCAAGCTGGCTGTCAAAATACAAATACCCCTTCACTGACGCTTGTCTGGAGGC	960
QY	961	TTCTCTCATGCTTATGAGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG	1020
DB	961	TTCTCTCATGCTTATGAGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG	1020
QY	1021	GTGAAAGCTGTAACACGATTTTCTGAGTACACCCATTAAGTATGGCTATGCCCAAAAGC	1080
DB	1021	GTGAAAGCTGTAACACGATTTTCTGAGTACACCCATTAAGTATGGCTATGCCCAAAAGC	1080
QY	1081	TCATCATTGTTGTTATGATGACAGAGTACAGAACTATCAGTTCTTCTGTCGATACA	1140
DB	1081	TCATCATTGTTGTTATGATGACAGAGTACAGAACTATCAGTTCTTCTGTCGATACA	1140
QY	1141	GATTGGCAGGTGTCATCTATGTTTCCCAACCATCGAGGCTCACGGCTGTGTGCATT	1200
DB	1141	GATTGGCAGGTGTCATCTATGTTTCCCAACCATCGAGGCTCACGGCTGTGTGCATT	1200
QY	1201	AGCCAGCCTGTTGGGCTGCTTGTATGTCATCTCGGTGAGAAACGGCTATGTTGAAGTACC	1260
DB	1201	AGCCAGCCTGTTGGGCTGCTTGTATGTCATCTCGGTGAGAAACGGCTATGTTGAAGTACC	1260
QY	1261	AAACAGATCATCAAAACCTGCTGCTTCTCAAGTCAGAACTGGAATATCAAGGCAATC	1320
DB	1261	AAACAGATCATCAAAACCTGCTGCTTCTCAAGTCAGAACTGGAATATCAAGGCAATC	1320
QY	1321	TTGTTTGGGATCCCAATTTGTCATCTATGCTGCTGGATCCCGTATTTTGACATC	1380
DB	1321	TTGTTTGGGATCCCAATTTGTCATCTATGCTGCTGGATCCCGTATTTTGACATC	1380
QY	1381	TACCGACTATCAAAACCTGATGACTGCTAAGGGGTGGAACCTTGAACCAAGTTGCAATCCCA	1440
DB	1381	TACCGACTATCAAAACCTGATGACTGCTAAGGGGTGGAACCTTGAACCAAGTTGCAATCCCA	1440
QY	1441	CCAGTATCTATTTCTGATCAGATTAATACACCCCGGAAACGAGTAGCTATCAATTC	1500
DB	1441	CCAGTATCTATTTCTGATCAGATTAATACACCCCGGAAACGAGTAGCTATCAATTC	1500
QY	1501	CTAAAGGACATTCAGAGATCTGTCACTCAATCATGAAGATCTCTAAAGCGAAGACCA	1560
DB	1501	CTAAAGGACATTCAGAGATCTGTCACTCAATCATGAAGATCTCTAAAGCGAAGACCA	1560
QY	1561	GGAATGGGTGCATCTATGCAATGCGCCAGACAACTGTTGACAGGAATATGGTTGAGAA	1620
DB	1561	GGAATGGGTGCATCTATGCAATGCGCCAGACAACTGTTGACAGGAATATGGTTGAGAA	1620
QY	1621	TTGTCTCTCAGTCTTCTTGGACAGCTTGTACAGCACCCAGCTGTACCCAGGCGAGCAG	1680
DB	1621	TTGTCTCTCAGTCTTCTTGGACAGCTTGTACAGCACCCAGCTGTACCCAGGCGAGCAG	1680
QY	1681	ATGAATGGTTCTTCCAAAACCCCACTGA	1707

Db 1681 ATGAATGGTTCTCCAAACCCCACTGA 1707

RESULT 3

US-10-053-510-7

; Sequence 7, Application US/10053510

; Publication No. US20030175939A1

; GENERAL INFORMATION:

; APPLICANT: Saba, Julie D.

; APPLICANT: Fyrest, Henrik

; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,

; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND

; TITLE OF INVENTION: METHODS OF USE THEREFOR

; FILE REFERENCE: 200116.402C2

; CURRENT APPLICATION NUMBER: US/10/053,510

; CURRENT FILING DATE: 2002-01-17

; NUMBER OF SEQ ID NOS: 21

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 7

; LENGTH: 1707

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(1707)

; US-10-053-510-7

Query Match 100.0%; Score 1707; DB 14; Length 1707;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1707; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATGCCCTAGCACAGACCTCTGATGTTGAAGCCCTTGAGCCCTACTTAGAGATTTTGGAA 60
DB 1 ATGCCCTAGCACAGACCTCTGATGTTGAAGCCCTTGAGCCCTACTTAGAGATTTTGGAA 60
QY 61 GTATAGTCTCCCAAAAGCCCAAGAAATATGTAATGACATTCACCAAGATGAGCCCTGG 120
DB 61 GTATAGTCTCCCAAAAGCCCAAGAAATATGTAATGACATTCACCAAGATGAGCCCTGG 120
QY 121 CAGCTAATTGCATGAGTGTCTGTGGACCCCTGCTGATGATGCTGGGATGATGATTTGTC 180
DB 121 CAGCTAATTGCATGAGTGTCTGTGGACCCCTGCTGATGATGCTGGGATGATGATTTGTC 180
QY 181 TTCACGACAGAGATTTATGCTCAAGGTTTAAAGAAATGTTTAAAGCTCACCAGGAAG 240
DB 181 TTCACGACAGAGATTTATGCTCAAGGTTTAAAGAAATGTTTAAAGCTCACCAGGAAG 240
QY 241 ATGCCCATTTATGGTCTGAAGATTCAGAACAAAGTTGAACAAAGATGATATAGC 300
DB 241 ATGCCCATTTATGGTCTGAAGATTCAGAACAAAGTTGAACAAAGATGATATAGC 300
QY 301 AAGAATGTCATCTCTGAAAGTGGACAAAGATGATGTAAGCTTACCCCTCCAGGGT 360
DB 301 AAGAATGTCATCTCTGAAAGTGGACAAAGATGATGTAAGCTTACCCCTCCAGGGT 360
QY 361 CTGAGCTCATCTGCTCTTTTGGAGAACTTAAGGAGTACAGCTCTATGGACGCTCTCTGG 420
DB 361 CTGAGCTCATCTGCTCTTTTGGAGAACTTAAGGAGTACAGCTCTATGGACGCTCTCTGG 420
QY 421 CAGAGGGGAGACCTCTGGACAGTGTACAGTGGGAGGAGAGCTCAGTGAAGCTCTT 480
DB 421 CAGAGGGGAGACCTCTGGACAGTGTACAGTGGGAGGAGAGCTCAGTGAAGCTCTT 480
QY 481 GTGAAGGCTTATGGAGATTTGATGGAGTAACCCCTGTCATCCAGATATCTTCCCAGGA 540
DB 481 GTGAAGGCTTATGGAGATTTGATGGAGTAACCCCTGTCATCCAGATATCTTCCCAGGA 540
QY 541 CTAGCGAAGATAGAGGAGAAATTTGTGAGATAGCTTTTCCCTGTTCAATGGGGACCA 600
DB 541 CTAGCGAAGATAGAGGAGAAATTTGTGAGATAGCTTTTCCCTGTTCAATGGGGACCA 600
QY 601 GATTTCGTGTGGATGTGTGACTTCTGGGGGACAGAAAGCATACTCATGCGCTGCTCAAGCA 660

DB 601 GATTTCGTGTGGATGTGTGACTTCTGGGGGACAGAAAGCATACTCATGCGCTGCTCAAGCA 660
QY 661 TGTGGGATCTGGGCTTTTGAAGAGGGGATCAAAATCTCCAGAAATTTGGCTCCCAAAAGT 720
DB 661 TGTGGGATCTGGGCTTTTGAAGAGGGGATCAAAATCTCCAGAAATTTGGCTCCCAAAAGT 720
QY 721 GCCCATGCTGCTATTAAACAAAGCAGCCAGTTACTTTGGGATGAAGATTTGGGGGTTCCCA 780
DB 721 GCCCATGCTGCTATTAAACAAAGCAGCCAGTTACTTTGGGATGAAGATTTGGGGGTTCCCA 780
QY 781 TTGACGAGATGATGGAGGTGGATGTTGAGGGCAATGAGAGAGCTATCTCCAGGAACACT 840
DB 781 TTGACGAGATGATGGAGGTGGATGTTGAGGGCAATGAGAGAGCTATCTCCAGGAACACT 840
QY 841 GCCATGCTGCTCTTCTACCCCAACAGTTTCCCTCATGGTGTATATAGATCTCTGCTCCCTGAA 900
DB 841 GCCATGCTGCTCTTCTACCCCAACAGTTTCCCTCATGGTGTATATAGATCTCTGCTCCCTGAA 900
QY 901 GTGGCCAGCTGGCTGTCAAAATCAAAATACCCCTTCAATGTCAGCCTTGTCTGGGAGGC 960
DB 901 GTGGCCAGCTGGCTGTCAAAATCAAAATACCCCTTCAATGTCAGCCTTGTCTGGGAGGC 960
QY 961 TTCCTCATCTCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG 1020
DB 961 TTCCTCATCTCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG 1020
QY 1021 GTGAAGGTGTAAACAGCATTTTCACTGACACCCATTAAGTATGGCTATGCCCAAAAGC 1080
DB 1021 GTGAAGGTGTAAACAGCATTTTCACTGACACCCATTAAGTATGGCTATGCCCAAAAGC 1080
QY 1081 TCATCATTTGGTGTATAGTACAAAGATACAGGAACCTATCAGTTCTTCGTCGATACA 1140
DB 1081 TCATCATTTGGTGTATAGTACAAAGATACAGGAACCTATCAGTTCTTCGTCGATACA 1140
QY 1141 GATTGGCAGGTGSCATCTATGCTTCCCAACCATTCAGGCTCAGGCTCAGGCTGTCGCAAT 1200
DB 1141 GATTGGCAGGTGSCATCTATGCTTCCCAACCATTCAGGCTCAGGCTCAGGCTGTCGCAAT 1200
QY 1201 AGCGCAGCCTGTTGGGCTGCTTGAATGCTTGGTGGAGAACGGCTATGTTGAAGTACC 1260
DB 1201 AGCGCAGCCTGTTGGGCTGCTTGAATGCTTGGTGGAGAACGGCTATGTTGAAGTACC 1260
QY 1261 AAACAGATCATCAAACTGCTGCTTCCCTCAAGTCAAGCTGGAATAATCAAGGCATC 1320
DB 1261 AAACAGATCATCAAACTGCTGCTTCCCTCAAGTCAAGCTGGAATAATCAAGGCATC 1320
QY 1321 TTTGTTTTTGGGAACTCCCAATTTGCTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
DB 1321 TTTGTTTTTGGGAACTCCCAATTTGCTCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
QY 1381 TACCAGCTATCAAACTGATGACTGCTAAAGGGTGGAACTTGAACCAAGTTGCAAGTTCCCA 1440
DB 1381 TACCAGCTATCAAACTGATGACTGCTAAAGGGTGGAACTTGAACCAAGTTGCAAGTTCCCA 1440
QY 1441 CCCAGTATCTATTTCTGCTCATCAGTATCTACACCCCGGAAAGAGTAGCTATACAAATTC 1500
DB 1441 CCCAGTATCTATTTCTGCTCATCAGTATCTACACCCCGGAAAGAGTAGCTATACAAATTC 1500
QY 1501 CTAAAGGACATTCGAGAAATCTGCTCACTCAATCATGAAGATCTTAAAGGCAAGACACA 1560
DB 1501 CTAAAGGACATTCGAGAAATCTGCTCACTCAATCATGAAGATCTTAAAGGCAAGACACA 1560
QY 1561 GGAATGGGTGCCATCTATGCCATGCCAGACACTGTTGACAGGAATATGTTTGCAGAA 1620
DB 1561 GGAATGGGTGCCATCTATGCCATGCCAGACACTGTTGACAGGAATATGTTTGCAGAA 1620
QY 1621 TTGTCTCTCAGTCTTCTTGGAGAGCTTGTACAGCACCAGCACTGTCAACCCAGGCGAGCAG 1680
DB 1621 TTGTCTCTCAGTCTTCTTGGAGAGCTTGTACAGCACCAGCACTGTCAACCCAGGCGAGCAG 1680
QY 1681 ATGAATGGTTCTCCAAACCCCACTGA 1707

db 1681 ATGAATGGTTCTCCAAAACCCCACTGA 1707

RESULT 4

JS-10-348-052-7

Sequence 7, Application US/10348052

Publication No. US20030219782A1

GENERAL INFORMATION:

APPLICANT: Saba, Julie D.

APPLICANT: Fyest, Henrik

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION

TITLE OF INVENTION: OF SPHINGOLIPID METABOLISM AND/OR SIGNALING

FILE REFERENCE: 200116.405

CURRENT APPLICATION NUMBER: US/10/348.052

CURRENT FILING DATE: 2003-01-17

NUMBER OF SEQ ID NOS: 29

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 7

LENGTH: 1707

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (1)...(1707)

JS-10-348-052-7

Query Match 100.0%; Score 1707; DB 15; Length 1707;

Best Local Similarity 100.0%; P-Ed. No. 0;

Matches 1707; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

2Y 1 ATGCCTAGCAGACCTCTGATGTTGAAGCCCTTTGAGCCCTACTTAGAGATTTGGAA 60

db 1 ATGCCTAGCAGACCTCTGATGTTGAAGCCCTTTGAGCCCTACTTAGAGATTTGGAA 60

2Y 61 GTATCTCCCAAAAGCCAAAGATTATGTAATGGACATTGACCAAGTATGAGCCCTGG 120

db 61 GTATCTCCCAAAAGCCAAAGATTATGTAATGGACATTGACCAAGTATGAGCCCTGG 120

2Y 121 CAGCTAATGCTAGGATGTCGTGTGACCCCTCTGATAGTCTGGGGATATGAGTTGTC 180

db 121 CAGCTAATGCTAGGATGTCGTGTGACCCCTCTGATAGTCTGGGGATATGAGTTGTC 180

2Y 181 TTCAGGCGCAGAGCTTTATGGTCAAGGTTTAAAGAAATGTTTAAGCTCCACGGAAG 240

db 181 TTCAGGCGCAGAGCTTTATGGTCAAGGTTTAAAGAAATGTTTAAGCTCCACGGAAG 240

2Y 241 ATGCCCATATGCTGCTAAGATTCAGACCAAGTTGAAACAGCAAGGATGATATTAGC 300

db 241 ATGCCCATATGCTGCTAAGATTCAGACCAAGTTGAAACAGCAAGGATGATATTAGC 300

2Y 301 AAGAACATGCTATTCCTGAAAGTGGAACAAAGATGATGAAAGCTTTACCTCCAGGGT 360

db 301 AAGAACATGCTATTCCTGAAAGTGGAACAAAGATGATGAAAGCTTTACCTCCAGGGT 360

2Y 361 CTGAGCTCATCTGCTGTTTGGAAACTTAAAGAGTACAGCTCTATGAGCCCTTCTGG 420

db 361 CTGAGCTCATCTGCTGTTTGGAAACTTAAAGAGTACAGCTCTATGAGCCCTTCTGG 420

2Y 421 CAAGGGGAGAGCCTCTGGAACAGTGTACAGTGGGGAGGAGAGCTCACTGAGCTCTT 480

db 421 CAAGGGGAGAGCCTCTGGAACAGTGTACAGTGGGGAGGAGAGCTCACTGAGCTCTT 480

2Y 481 GTGAAGGCTTATGAGATTTTGCATGAGTAAACCCCTCTGCATCCAGATATCTTCCAGGA 540

db 481 GTGAAGGCTTATGAGATTTTGCATGAGTAAACCCCTCTGCATCCAGATATCTTCCAGGA 540

2Y 541 CTAGCAAGATAGAGGAGAAATTTGAGGATAGCTTTCCCTGTTCAATGGGGACCA 600

db 541 CTAGCAAGATAGAGGAGAAATTTGAGGATAGCTTTCCCTGTTCAATGGGGACCA 600

2Y 601 GATTGCTGTGATGTGACTTCTGGGGGAACAGAAAGATATCTCATGGCCTGCAAGCA 660

db 601 GATTGCTGTGATGTGACTTCTGGGGGAACAGAAAGATATCTCATGGCCTGCAAGCA 660

661 TGTCCGGATCTGGCCTTTGAGAGGGGATCAAACTCCAGAAATTTGTGGCTCCCAAGT 720

db 661 TGTCCGGATCTGGCCTTTGAGAGGGGATCAAACTCCAGAAATTTGTGGCTCCCAAGT 720

721 GCCATGCTGCATTTAAACAAAGCAGCCAGTTACTTTGGATGAAGATTGTGGGTGCCA 780

db 721 GCCATGCTGCATTTAAACAAAGCAGCCAGTTACTTTGGATGAAGATTGTGGGTGCCA 780

781 TTACCAAGATGATGGAGTGTGATGGGGCAATGAGAAGAGCTATCTCCAGAACTACT 840

db 781 TTACCAAGATGATGGAGTGTGATGGGGCAATGAGAAGAGCTATCTCCAGAACTACT 840

841 GCCATGCTGCTGTTTCTACCCACAGTTTCCATGTTGTAATAGATTCCTGTCCCTGAA 900

db 841 GCCATGCTGCTGTTTCTACCCACAGTTTCCATGTTGTAATAGATTCCTGTCCCTGAA 900

901 GTGCCAAGCTGGCTGTCAAAATACAAATACCCCTTCATGTCGAGCTTGTCTGGAGGC 960

db 901 GTGCCAAGCTGGCTGTCAAAATACAAATACCCCTTCATGTCGAGCTTGTCTGGAGGC 960

961 TTCTCATCTGTTTATGAGAAAGCAGGATACCCACTGGAGCACCCATTGTTTCGG 1020

db 961 TTCTCATCTGTTTATGAGAAAGCAGGATACCCACTGGAGCACCCATTGTTTCGG 1020

1021 GTGAAAGGTGTAAACAGATTTTACGCTGACCCCAATAGTATGGCTATGCCCAAGGC 1080

db 1021 GTGAAAGGTGTAAACAGATTTTACGCTGACCCCAATAGTATGGCTATGCCCAAGGC 1080

1081 TCATCATTTGTTGTTATGACAAAGTACAGAACTATCAGTTCTTCTGTCGATACA 1140

db 1081 TCATCATTTGTTGTTATGACAAAGTACAGAACTATCAGTTCTTCTGTCGATACA 1140

1141 GATTGCGAGGTGGCATCTATGCTTCCCAACATGTCGAGGCTACGGCCTGTGGCAT 1200

db 1141 GATTGCGAGGTGGCATCTATGCTTCCCAACATGTCGAGGCTACGGCCTGTGGCAT 1200

1201 AGCGAGCCTGTTGGCTGCTTGTGATGACTTTCGGTGAGAACGGCTATGTTGAAGTACC 1260

db 1201 AGCGAGCCTGTTGGCTGCTTGTGATGACTTTCGGTGAGAACGGCTATGTTGAAGTACC 1260

1261 AAACAGATCATCAAAACTGCTGCTTCTCAAGTCAGAACTGGAATAATCAAAAGGCATC 1320

db 1261 AAACAGATCATCAAAACTGCTGCTTCTCAAGTCAGAACTGGAATAATCAAAAGGCATC 1320

1321 TTTGTTTTGGGAATCCCAATTTGCTATGCTCTGGGATCCCGGATTTTGGACATC 1380

db 1321 TTTGTTTTGGGAATCCCAATTTGCTATGCTCTGGGATCCCGGATTTTGGACATC 1380

1381 TACCGACTATCAAACTGATGACTGCTAAGGGTGGAACTTTGAACAGTTGCACTTCCCA 1440

db 1381 TACCGACTATCAAACTGATGACTGCTAAGGGTGGAACTTTGAACAGTTGCACTTCCCA 1440

1441 CCAGATTTCAATTTCTGCAATCACTATCTACAGCCCGGAACGAGTAGCTATCAATTC 1500

db 1441 CCAGATTTCAATTTCTGCAATCACTATCTACAGCCCGGAACGAGTAGCTATCAATTC 1500

1501 CTAAGGACATTCGAGAACTGCTCACTCAAAATCATGAAGAAATCTTAAAGCGAAGACCA 1560

db 1501 CTAAGGACATTCGAGAACTGCTCACTCAAAATCATGAAGAAATCTTAAAGCGAAGACCA 1560

1561 GGAATGGGTGCCATCTATGCCATGGCCGAGCAACTGTTGACAGGAATATGGTTGCAGAA 1620

db 1561 GGAATGGGTGCCATCTATGCCATGGCCGAGCAACTGTTGACAGGAATATGGTTGCAGAA 1620

1621 TTGTCCTCAGTCTTTTGGACAGCTTGTACAGCAGCCGACACTGTCCACGAGGACGCGAG 1680

db 1621 TTGTCCTCAGTCTTTTGGACAGCTTGTACAGCAGCCGACACTGTCCACGAGGACGCGAG 1680

1681 ATGAATGGTTCTCCAAAACCCCACTGA 1707

db 1681 ATGAATGGTTCTCCAAAACCCCACTGA 1707

RESULT 6

IS-10-348-052-17
Sequence 17, Application US/10348052
Publication No. US20030219782A1
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
APPLICANT: Fyrist, Henrik
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION
TITLE OF INVENTION: OF SPHINGOLIPID METABOLISM AND/OR SIGNALING
FILE REFERENCE: 200116.405
CURRENT APPLICATION NUMBER: US/10/348,052
CURRENT FILING DATE: 2003-01-17
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 17
LENGTH: 1707
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(1707)
IS-10-348-052-17
Query Match 99.7%; Score 1702.2; DB 15; Length 1707;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1704; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
2Y 1 ATGCCTAGCAGACCTTCGTGATGTTGAAGGCGCTTTGAGCCCTACTTAGAGATTTGGAA 60
2b 1 ATGCCTAGCAGACCTTCGTGATGTTGAAGGCGCTTTGAGCCCTACTTAGAGATTTGGAA 60
2Y 61 GTATACCCCAAAAGCCAAAGATTATGTAATATGGACATTTGACCAAGATGATGAGCCCTGG 120
2b 61 GTATACCCCAAAAGCCAAAGATTATGTAATATGGACATTTGACCAAGATGATGAGCCCTGG 120
2Y 121 CAGCTAATTCGAGAGTGTGCTGTGACCCCTGCTGATAGTCTGGGATGATGAGTTGTC 180
2b 121 CAGCTAATTCGAGAGTGTGCTGTGACCCCTGCTGATAGTCTGGGATGATGAGTTGTC 180
2Y 181 TTCAGCCAGAGCTTTATGCTCAAGGTTTAAAGAAATGTTTAAAGCTCACCAGGAAG 240
2b 181 TTCAGCCAGAGCTTTATGCTCAAGGTTTAAAGAAATGTTTAAAGCTCACCAGGAAG 240
2Y 241 ATGCCCAATTATGCTGCTGTAAGATTCAAGACAAGTTGAACCAAGATGATGATATTAGC 300
2b 241 ATGCCCAATTATGCTGCTGTAAGATTCAAGACAAGTTGAACCAAGATGATGATATTAGC 300
2Y 301 AAGAACATGCTATTCTGGAAGTGGACAAAGAGTATGTGAAGCTTTACCTCCAGGGT 360
2b 301 AAGAACATGCTATTCTGGAAGTGGACAAAGAGTATGTGAAGCTTTACCTCCAGGGT 360
2Y 361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGGACGCTTCTGG 420
2b 361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGGACGCTTCTGG 420
2Y 421 CAAGAGGGAGAGCTCTGGAACAGTGTACAGTGGGAGAGAGCTCACTGAGCTCCTT 480
2b 421 CAAGAGGGAGAGCTCTGGAACAGTGTACAGTGGGAGAGAGCTCACTGAGCTCCTT 480
2Y 481 GTGAAGGCTTATGAGAGATTTTGCATGGAGTAAACCCCTGCTATCAGATATCTTCCAGGA 540
2b 481 GTGAAGGCTTATGAGAGATTTTGCATGGAGTAAACCCCTGCTATCAGATATCTTCCAGGA 540
2Y 541 CTACCAAGATAGAGCCAGAAATTTGTAGGATAGTGTGTTCCCTGTTCAATGGGGACCA 600
2b 541 CTACCAAGATAGAGCCAGAAATTTGTAGGATAGTGTGTTCCCTGTTCAATGGGGACCA 600
2Y 601 GATTGCTGAGTGTGCTCTGCGGGAACAGAAAGCATACTCATGGCTCGCAAGCA 660
2b 601 GATTGCTGAGTGTGCTCTGCGGGAACAGAAAGCATACTCATGGCTCGCAAGCA 660
2Y 661 TGTGCGGATCTGGCCCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 720
2b 661 TGTGCGGATCTGGCCCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 720

RESULT 7

US-10-348-052-23

Db 661 TATCGGGATCTGGCCCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 720
QY 721 GCCATGCTGCATTTAAACAAGAGCCAGCTTACTTTGGATGAAGATTTGGCGGTCCCA 780
Db 721 GCCATGCTGCATTTAAACAAGAGCCAGCTTACTTTGGATGAAGATTTGGCGGTCCCA 780
QY 781 TTGACGAAGATCATGAGGTGATGTAGGGCAATGAGAGAGCTATCTCCAGGAACACT 840
Db 781 TTGACGAAGATCATGAGGTGATGTAGGGCAATGAGAGAGCTATCTCCAGGAACACT 840
QY 841 GCATGCTCGTCTGTTCTACCCCAAGTTTCTCTATGTTGTAATAGATCTCTGCTGAA 900
Db 841 GCATGCTCGTCTGTTCTACCCCAAGTTTCTCTATGTTGTAATAGATCTCTGCTGAA 900
QY 901 GTGGCCAAAGCTGCTGCAAAATACAAATACCCCTTCAATGTCAGCGCTTGTCTGGAGGC 960
Db 901 GTGGCCAAAGCTGCTGCAAAATACAAATACCCCTTCAATGTCAGCGCTTGTCTGGAGGC 960
QY 961 TTCTCATCTCTTTATGAGAAAGCAGATACCACTCGGAGACCCATTTGATTTCCGG 1020
Db 961 TTCTCATCTCTTTATGAGAAAGCAGATACCACTCGGAGACCCATTTGATTTCCGG 1020
QY 1021 GTGAAAGGTGTAACAGCACTTTCAGCTGACACCCATAAGTATGGCTATGCCCAAAAGGC 1080
Db 1021 GTGAAAGGTGTAACAGCACTTTCAGCTGACACCCATAAGTATGGCTATGCCCAAAAGGC 1080
QY 1081 TCATCATCTGTTGTTATAGTACAAAGATGACAGAACTATCAGTTCTTCGTGATACA 1140
Db 1081 TCATCATCTGTTGTTATAGTACAAAGATGACAGAACTATCAGTTCTTCGTGATACA 1140
QY 1141 GATGAGAGGTGGGATCTATGCTTCCCAACCATCGCAGGCTCACGGCTGGTGCAAT 1200
Db 1141 GATGAGAGGTGGGATCTATGCTTCCCAACCATCGCAGGCTCACGGCTGGTGCAAT 1200
QY 1201 AGCGAGCTGTTGGGCTGCTTGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
Db 1201 AGCGAGCTGTTGGGCTGCTTGTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
QY 1261 AAACAGATCATCAAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
Db 1261 AAACAGATCATCAAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
QY 1321 TTTGTTTTGGGATCCCAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
Db 1321 TTTGTTTTGGGATCCCAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
QY 1381 TACGACTATCAAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440
Db 1381 TACGACTATCAAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1440
QY 1441 CCCAGTATTCATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
Db 1441 CCCAGTATTCATTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1500
QY 1501 CTAAGGACATTCGAGAAATCTGCTCAAAATCATGAAGATCTTAAAGCGAGACCA 1560
Db 1501 CTAAGGACATTCGAGAAATCTGCTCAAAATCATGAAGATCTTAAAGCGAGACCA 1560
QY 1561 GGAATGGGTGCATCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
Db 1561 GGAATGGGTGCATCTATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1620
QY 1621 TTGCTCTCAGTCTTTCTTGGAGAGCTTGTACAGACCCGACACTGTCTACCCAGGCGACCCAG 1680
Db 1621 TTGCTCTCAGTCTTTCTTGGAGAGCTTGTACAGACCCGACACTGTCTACCCAGGCGACCCAG 1680
QY 1681 ATGAATGGTTCTCAAAACCCCACTGA 1707
Db 1681 ATGAATGGTTCTCAAAACCCCACTGA 1707

APPLICANT: C. FRANK BETHLE

APPLICANT: Susan M. Freier
TITLE OF INVENTION: ANTISENSE MODULATION OF SPHINGOSINE-1-PHOSPHATE LYASE EXPRESSION
FILE REFERENCE: R5-0259
CURRENT APPLICATION NUMBER: US/09/967,669
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 90
SEQ ID NO 3
LENGTH: 5741
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
US-09-967-669-3

Query Match 99.5%; Score 1699; DB 10; Length 5741;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1702; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATGCTACACAGACCTCTCATCTGAGGCTTTCAGCCCTTACGAGATTTTGGAA 60
DB 201 ATGCTACACAGACCTCTCATCTGAGGCTTTCAGCCCTTACGAGATTTTGGAA 260
QY 61 GTATACCTCCAAAAAGCCAAAGATTTATGTAATGGACATTGCACCAAGTATGAGCCCTGG 120
DB 261 GTATACCTCCAAAAAGCCAAAGATTTATGTAATGGACATTGCACCAAGTATGAGCCCTGG 320
QY 121 CAGCTAATTCGATGAGTGTGTGGACCTGCTGATGATCTCTGGGATATGATTTGTC 180
DB 321 CAGCTAATTCGATGAGTGTGTGGACCTGCTGATGATCTCTGGGATATGATTTGTC 380
QY 181 TTCCAGCCAGAGATTTATGTCAGGTTTAAAAAGAAATGTTTAAAGCTCACCAGGAAG 240
DB 381 TTCCAGCCAGAGATTTATGTCAGGTTTAAAAAGAAATGTTTAAAGCTCACCAGGAAG 440
QY 241 ATGCCCATTTTGTGCTGAAGATTCACAGCAAGTTGAACAGACCAAGGATGATTTAGC 300
DB 441 ATGCCCATTTTGTGCTGAAGATTCACAGCAAGTTGAACAGACCAAGGATGATTTAGC 500
QY 301 AAGAACATGCTATTCTGAAAGTGACAAAGAGTATGTGAAGGTTTACCCCTCCAGGGT 360
DB 501 AAGAACATGCTATTCTGAAAGTGACAAAGAGTATGTGAAGGTTTACCCCTCCAGGGT 560
QY 361 CTGAGCTCATCTGCTTTTGGAGAACTTAAAGAGTACAGCTCTATGAGCCCTTCTGG 420
DB 561 CTGAGCTCATCTGCTTTTGGAGAACTTAAAGAGTACAGCTCTATGAGCCCTTCTGG 620
QY 421 CAAGAGGGAGAGCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCAGCTGAGCTCCTT 480
DB 621 CAAGAGGGAGAGCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCAGCTGAGCTCCTT 680
QY 481 GTGAAGGCTTATGGAGATTTTGCATGGAGTAAACCCCTGCAATCCAGATATCTTCCAGGA 540
DB 681 GTGAAGGCTTATGGAGATTTTGCATGGAGTAAACCCCTGCAATCCAGATATCTTCCAGGA 740
QY 541 CTACGCAAGATAGAGCAGAAATTTGAGGATAGCTTCTCCTGTTCAATGGGGACCA 600
DB 741 CTACGCAAGATAGAGCAGAAATTTGAGGATAGCTTCTCCTGTTCAATGGGGACCA 800
QY 601 GATTCTGTGGATGTGATCTTCTGGGGGAAACAGAAAGCATCTCATGGCTGCAAAAGCA 660
DB 801 GATTCTGTGGATGTGATCTTCTGGGGGAAACAGAAAGCATCTCATGGCTGCAAAAGCA 860
QY 661 TGTGCGGATCTGCCCTTGGAGAGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 720
DB 861 TATCGGGATCTGCCCTTGGAGAGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 920
QY 721 GCCCATCTCATTTAAACAAAGCAGCAGTACTTTGGGATGAAGATTTGCGGGTCCCA 780
DB 921 GCCCATCTCATTTAAACAAAGCAGCAGTACTTTGGGATGAAGATTTGCGGGTCCCA 980
QY 781 TTGACGAAGATGATGAGGTGGATTTGAGGCGAATGAGAGGCTATCTCCAGGAGCACT 840
DB 981 TTGACGAAGATGATGAGGTGGATTTGAGGCGAATGAGAGGCTATCTCCAGGAGCACT 1040

QY 841 GCCATGCTGCTGTGTTCTACCCACAGTTTCTCATGTTAATAGATCCTGTCCCTGAA 900
DB 1041 GCCATGCTGCTGTGTTCTACCCACAGTTTCTCATGTTAATAGATCCTGTCCCTGAA 1100
QY 901 GTGCCAAGCTGGCTGTCAAAATACAAAATACCCCTTCTATGTCAGAGCTTGTCTGGAGGC 960
DB 1101 GTGCCAAGCTGGCTGTCAAAATACAAAATACCCCTTCTATGTCAGAGCTTGTCTGGAGGC 1160
QY 961 TTCTCATGCTCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCTTTGATTTCCGG 1020
DB 1161 TTCTCATGCTCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCTTTGATTTCCGG 1220
QY 1021 GTGAAGGCTGTACACAGATTTTCAGCTGACACCCATAGTATGGCTATGCCCCAAAAGGC 1080
DB 1221 GTGAAGGCTGTACACAGATTTTCAGCTGACACCCATAGTATGGCTATGCCCCAAAAGGC 1280
QY 1081 TCATCATTTGTTGTATAGTGACAAAGAGTACAGGAATCATCAGTTCTTCGTCATACA 1140
DB 1281 TCATCATTTGTTGTATAGTGACAAAGAGTACAGGAATCATCAGTTCTTCGTCATACA 1340
QY 1141 GATTGGCAGGCTGGCATCTATGCTTCCCAACCATCGCAGGCTCAGCGCTCGTGGCAAT 1200
DB 1341 GATTGGCAGGCTGGCATCTATGCTTCCCAACCATCGCAGGCTCAGCGCTCGTGGCAAT 1400
QY 1201 AGCCAGCCTGTTGGGCTGCTTGTATGACACTTCGCTGAGAAACGCTATCAAGGCAATC 1260
DB 1401 AGCCAGCCTGTTGGGCTGCTTGTATGACACTTCGCTGAGAAACGCTATCAAGGCAATC 1460
QY 1261 AAAAGAGATCATCAAACTGCTGCTTCCCAAGCTGAGAACTGAGAAATATCAAGGCAATC 1320
DB 1461 AAAAGAGATCATCAAACTGCTGCTTCCCAAGCTGAGAACTGAGAAATATCAAGGCAATC 1520
QY 1321 TTTGTTTTTGGGAAATCCCAATTTGCTCATCTGCTGCTGGATCCCGTGTATTTGACATC 1380
DB 1521 TTTGTTTTTGGGAAATCCCAATTTGCTCATCTGCTGCTGGATCCCGTGTATTTGACATC 1580
QY 1381 TACCGATCATCAAACTGCTGCTTCCCAAGCTGAGAACTGAGAACTGAGAAATATCAAGGCAATC 1440
DB 1581 TACCGATCATCAAACTGCTGCTTCCCAAGCTGAGAACTGAGAAATATCAAGGCAATC 1640
QY 1441 CCCAGTATTCATTTCTGCTATCAGTACTACTACGCGCGGAAACGAGTAGCTATCAATTC 1500
DB 1641 CCCAGTATTCATTTCTGCTATCAGTACTACTACGCGCGGAAACGAGTAGCTATCAATTC 1700
QY 1501 CTAAAGGACATTCAGAAATCTGTCACCTCAATCATGAGAACTCTTAAGCGAAGACCA 1560
DB 1701 CTAAAGGACATTCAGAAATCTGTCACCTCAATCATGAGAACTCTTAAGCGAAGACCA 1760
QY 1561 GGAATGGGTGCTATCTATGCCATGCGCCAGACACTGTTGACAGGAATATGTTGAGAA 1620
DB 1761 GGAATGGGTGCTATCTATGCCATGCGCCAGACACTGTTGACAGGAATATGTTGAGAA 1820
QY 1621 TTGCTCTCAGTCTTTTGGACAGCTTGTACAGACCGACACTGTCCAGGCGCAG 1680
DB 1821 TTGCTCTCAGTCTTTTGGACAGCTTGTACAGACCGACACTGTCCAGGCGCAG 1880
QY 1681 ATGAATGTTTCTCCAAAACCCCACTGA 1707
DB 1881 ATGAATGTTTCTCCAAAACCCCACTGA 1907

RESULT 10
US-10-286-175-1
Sequence 1, Application US/10286175
Publication No. US2003005992A1
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

QY 1621 TTGCTCTCAGTCTTCTTGACAGCTTTGACACACCCAGCACTGTACACCCAGGCGAGCCAG 1680
DB 1621 ATATCTCGTCTTCTTGACAGCTTTTATCTACGACCCCGTACTCAGGCAACAG 1680
QY 1681 ATGAATGGTTCTCCAAACCCCACTGA 1707
DB 1681 ATGAACGGTTCTCCAAAGCCCGCTGA 1707

RESULT 11

US-10-197-073-1
; Sequence 1, Application US/10197073
; Publication No. US2003016687A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA: US/10/197,073
APPLICATION NUMBER: US/10/197,073
FILING DATE: 15-Jul-2002
CLASSIFICATION: <Unknown>

ATTORNEY/AGENT INFORMATION:

NAME: Urvater, Julie A.

REGISTRATION NUMBER: 50,461

REFERENCE/DOCKET NUMBER: 200116.402D2

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:

LENGTH: 1707 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

FEATURE:

NAME/KEY: CDS

LOCATION: 1..1704

SEQUENCE DESCRIPTION: SEQ ID NO: 1:

US-10-197-073-1

Query Match 74.9%; Score 1278.2; DB 14; Length 1707;
Best Local Similarity 84.3%; Pred. No. 0;
Matches 1439; Conservative 0; Mismatches 268; Indels 0; Gaps 0;

QY 1 ATGCCAGACACACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTTTGAA 60
DB 1 ATGCCCGAACCACCTCTCAAGCTGAAGACTTCGAGCCTTTTGGAGATTTGAA 60
QY 61 GTATATCCCAAAAGCCAGAAATTATGAATGGACATGTGACCAAGATGAGCCCTGG 120
DB 61 TCATTATCCCAAAAGCCAGAAATTATGAATGGATATTGACCAAAATATGAGCCCTGG 120
QY 121 CAGCTAATTCATGGAGTGTGCTGAGCCCTGCTGATAGTCTGGGGATATGAGTTTCTC 180
DB 121 CAGCTAATTCGCTGGAGTGTGCTGAGTCTGCTGATAGTCTGGGTATGAGCTTATC 180
QY 181 TTCAGCCAGAGAGTTTATGGTCAAGGTTTAAAGAAATGTTTAAAGCTACCAAGGAG 240

DB 181 TTCAGCCAGAGAGTTTATGGTCTCGGTTTAAAAAAATTTATTTAAGCTTATCAGGAAG 240
QY 241 ATGCCATTATTGCTCGTAAGATTCAAGACAAGATTGAACAAGACCAGGATGATATATAGC 300
DB 241 ATGCCATTATTGACCGTAAGATCGAACACAGGTGAGCAAGACCAAGAGGATCTTGTG 300
QY 301 AAGACATGTCATTCCTGAAAGTGGACAAAAGATATGTGAAGCTTTAGCCCTCCAGGCT 360
DB 301 AAGAACATGCTCCTTAAAGGTGGACAAAGGATTTGTGAAAACCTCTGCTGTCTCAGGGT 360
QY 361 CTGAGCTCATCTGCTGTTTTTGGAGAACTTTAAGAGATACAGCTCTTATGGACGCTTCTGG 420
DB 361 ATGGGCACAGCTGAGGTTCTGGAGAGACTCAAGAGGTACAGCTCCATGGATGGTTCTCTG 420
QY 421 CAAGAGGGAGAGCTCTGGAA CAGTGTACAGTGGGGAGAGAGCTCAGTCTGAGCTTCTT 480
DB 421 CAAGAGGGAAAGCTCTCAGGAGCTGTGTACAATGGGGAAACCGAAGCTCAGGAGCTGCTG 480
QY 481 GTGAAGGCTTATGAGATTTTGCATGGAGTAAACCCCTGCATCCAGATATCTTCCCAGGA 540
DB 481 GTGCAGGCTTATGGAGAAATTCAGTGGAGCAATCCACTGCATCCAGATATCTTCCCCTGA 540
QY 541 CTACGCAAGATAGAGGAGAAATTTGAGGATAGCTTTTCCCTGTTCATATGGGGAGCA 600
DB 541 TTGCGAAAGTTAGAGGAGAAATCGTTAGGATGACTTTTCCCTCTTCAATGGGGAGCA 600
QY 601 GATTCGTGTGATGTGTGACTTCTGGGGGAAACGAAGACATCTCATGGCTGCTCAAGCA 660
DB 601 GATTCCTGTGATGTGTGACTTCTGGGGGAAACGAAGACATCTCATGGCTGCTCAAGCT 660
QY 661 TGTGGGATCTGGCTTTGAGAGGGGATCAAACTCCAGAAATTTGGTCTCCCAAGT 720
DB 661 TACCGGACTTTGGGTTAGAGAGGGATCAAACTCCAGAAATTTGGTCTCCCGAGT 720
QY 721 GCCCATGCTGATTTAACAGACAGCAGTTACTTTGGGATGAAGATTGTGGGGTCCCA 780
DB 721 GCCCATGCTGATTTGCAAAAGCAGCTCATTTTGGGATGAAGATTGTGGGGTCCCA 780
QY 781 TTGACGAAGATGATGGAGGTGATGTGAGGCGCAATGAGAGAGCTATCTCCAGAACACT 840
DB 781 CTGAAAAAGAACATGGAGGTGATGTGAGGCAATGAGAGAGCTATCTCCAGAACACA 840
QY 841 GCATGCTGCTGTTCTTACCCACAGTTTCTCATGCTGATGATAGATCTCTCTCCCTGAA 900
DB 841 GCTATGCTGGTCTGTTCTTACCCACAGTTTCTCATGCTGATGATAGATCTCTCTCCCGAA 900
QY 901 GTGGCCAAAGCTGGTGTCAAAATACAAATACCCCTTCCATGTGACAGCTTGTCTGGAGGC 960
DB 901 GTGGCCAAAGTTAACTGTGAGATATAAATCCACTCCATGTGATGCTTGTCTGGGGGC 960
QY 961 TTCTCATCTGCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCTTTGATTTCCGG 1020
DB 961 TTCTCATCTGCTTTATGGAGAAAGCAGGATACCCACTGGAGAACCACTTTGATTTCCGG 1020
QY 1021 GTGAAGGTGTAAACCAGCATTTCAAGCTGACACCCATTAAGTATGGCTATGCCCAAGGC 1080
DB 1021 GTGAAGGTGTGACAGCATTTCAAGCTGACACCTTAAGTATGGCTATGCCCTAAGGT 1080
QY 1081 TCATCATTTGGTGTATAGTGACAAGAGTACAGGAATCTATCAGTTCTTCTGTCGATACA 1140
DB 1081 TCATCAGTGGTGTATGACTCTAAAGAGAGTACAGGACGTACCAAGTTCTTTGTGGTGA 1140
QY 1141 GATTCGAGGGTGGCATCTATGCTTCCCAACCATCGCAGGCTCACGCTCTGGTGGCATT 1200
DB 1141 GATTCGAGGGTGGTGTCTACGATCTCCAAGCATAGCTGGCTCACGCTCTGGTGGCATC 1200
QY 1201 AGCGCAGCTGTGTGGCTGCTTGTATGACCTTCGGTGAAGACGGCTATGTTGAAGCTACC 1260
DB 1201 ATTGAGCCTGTGTGGCGGCTTGTATGACCTTCGGTGAAGACGGCTATGTTGAAGCTACC 1260
QY 1261 AAACAGATCATCAAAACCTGCTTCTTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1320
DB 1261 AAACAGATCATCAAAACCTGCTTCTTCTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1320

QY 1321 TTGCTTTTGGGAATCCCAATTCCTCACTGCTCTGGGATCCCGTGATTTTGACATC 1380
DB 1321 TTCAATTTTCGGTGATCTCTCAATTTGTAGTTATTTGCTCTGGATCCACGATTTTGACATT 1380
QY 1381 TACCGACTATCAAAACCTGATGACTGTCTAAGGGTGGAACTTGAAACCAAGTTGCGAGTTCCCA 1440
DB 1381 TACCGACTATCAATATGATCTGTCTAAGGGTGGAAATTTTAACCTACCTGCGAGTTCCCA 1440
QY 1441 CCCAGTATTCATTTCTGCATCACATTAATCAACCCCGGAAACGAGTAGCTATACAAATTC 1500
DB 1441 AGAAGCATTCATTTCTGCATTTAGTTAGTACATCTCGAAGCGAGTGGCGATCCAGTTTC 1500
QY 1501 CTAAAGGACATTCGAGAACTGTCTCACTCAATCATGAAGAAATCTAAGCGAAGACACA 1560
DB 1501 CTAAAGGATATCCGGGAATCAGTCACACAAATCATGAAGAAATCTAAGCGAAGACACA 1560
QY 1561 GGAATGGGTGCCATCTATGCCATGCCCGGCAACCACTTGACAGAAAGCTGGTTGCAGAA 1620
DB 1561 GGAATGGGTGCCATCTATGCCATGCCCGGCAACCACTTGACAGAAAGCTGGTTGCAGAA 1620
QY 1621 TTGCTCTCAGTCTTCTTGCAAGCTTTGTACAGACCGACACTGTCAACCCAGGCGAGCCAG 1680
DB 1621 ATATCTCCGCTCTCTTGACTGCTTTATATAGGACCCGCTGACTCAGGCAACCCAG 1680
QY 1681 ATGAATGGTTCTCCAAAACCCCACTGA 1707
DB 1681 ATGAACGGTTCTCCAAAGCCCGCTGA 1707

RESULT 12
US-10-053-510-5
; Sequence 5, Application US/10053510
; Publication No. US20030175939A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Eyrat, Henrik
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C2
; CURRENT APPLICATION NUMBER: US/10/053,510
; CURRENT FILING DATE: 2002-01-17
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1707)
US-10-053-510-5

Query Match 74.9%; Score 1278.2; DB 14; Length 1707;
Best Local Similarity 84.3%; Pred. No. 0;
Matches 1439; Conservative 0; Mismatches 268; Indels 0; Gaps 0;

QY 1 ATGCTAGCACAGACCTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTTTGGAA 60
DB 1 ATGCCGGAAACCGACTCTCTCAAGCTGAAGGACTTCGAGCCCTATTGGAGATTTGGAA 60
QY 61 GTATATCCCAAAAGCCAAAGAAATTATGTAATGACATATGCAACCAAGATGAGCCCTGG 120
DB 61 TCATTATCCCAAAAGCCAAAGAAATTATGTAATGATGATATGCAACCAATATGAGCCCTGG 120
QY 121 CAGCTAATTCATGAGTGTCTGTGGACCTCGCTGATGCTGGGATATGAGTTGTC 180
DB 121 CAGCTAATTCGCGGAGTGTCTGTGTACTCTGCTGATGCTGGTGTGAGCTTATC 180
QY 181 TTCAGCCAGAGAGTTTATGGTCAAGGTTTAAAGAAATGTTTTAAGCTCACCAGGAAG 240
DB 181 TTCAGCCAGAGAGTTTATGGTCTCGGTTTAAAGAAATTTATTTAAGCTTATCAGGAAG 240

QY 241 ATGCCATTATTGTCGTAGATTCAAGACAAGTTGAACAAGACCAAGGATGATATTAGC 300
DB 241 ATGCCATTATTGAGAGTAAGATCGAAACAACAGGTGAGCAAAAGCCAAAGAGATCTTGTG 300
QY 301 AAGAACATGTCTATCTCTGAAGTGGGCAAGAGTATGTGAAGCTTTACCTCCAGGGT 360
DB 301 AAGAACATGTCCATCTCTAAAGTGGGCAAGGATATGTGAAGCTCTGCTCTCAGGGT 360
QY 361 CTGAGCTCATCTGCTGTTTTGGAGAAACTTTAAGAGTACAGCTCTATGAGCCCTTCTGG 420
DB 361 ATGGGCACAGCTGAGGTTCTGGAGAGACTCAAGAGTACAGCTCCATGATGGTTCTCTGG 420
QY 421 CAAGAGGGGAGAGCTCTGGAACAGTGTACAGTGGGGAGAGAGCTCACTGAGCTCTT 480
DB 421 CAAGAGGGGAGAGCTCAGAGCTGTGTACATGGGGAAACCGAAGCTCAGGAGCTGCTG 480
QY 481 GTGAAGGCTTATGAGATTTTGCATGGAGTAAACCCCTGCATCCAGATATCTTCCAGGA 540
DB 481 GTGAGGCTTATGAGAGATTCAGTGGAGCAATCCACTGCATCCAGATATCTTCCCTGGA 540
QY 541 CTACGCAAGATAGAGGAGAGAAATTTGAGAGTATGTTTCCCTGTTCAATGGGGAGCA 600
DB 541 TTGGGAAGTTAGAGGAGAGAAATCGTTAGGATGACTTGTTCCTCTTCAATGGGGAGCA 600
QY 601 GATTCGTGTGATGTGTGACTTCTGGGGAAACAGAAAGCATCTCATGGCCTGCAAGGA 660
DB 601 GATTCGTGTGATGTGTGACTTCTGGGGAAACAGAAAGCATCTCATGGCCTGCAAGGT 660
QY 661 TGTCCGATCTGGCCTTTGAGAAAGGGGATCAAAACTCCAGAAATTTGTGGTCTCCCAAGT 720
DB 661 TACCGGACTTGGCCTTTAGAGAAAGGGATCAAAACTCCAGAAATTTGTGGTCTCCGAGGT 720
QY 721 GCCATGCTGCTATTAACAAGCAGCCAGTACTTTGGGATGAAGATTTGCGGGTCCCA 780
DB 721 GCCATGCTGCTATTCGACAAAGCAGCTCAATTTTGGGATGAAGATTTGTCGAGTTGCA 780
QY 781 TTGACGAAGATGATGGAGTGGATGTGAGGGCAATGAGAGAGCTATCTCCAGAAACAT 840
DB 781 CTGAAAAGAAACATGGAGTGGATGTGAGGCAATGAGAGAGCTATCTCCAGAAACACA 840
QY 841 GCCATGCTGCTTCTTCTACCCACAGTTTCTTCATGCTATAGATCTCTGCTCCCTGAA 900
DB 841 GCTATGCTGGTCTGTTCTTACCCACAGTTTCTTCATGCTGATGATCTCTGCTCCCGAA 900
QY 901 GTGGCCAAAGCTGGTGTCAAAATACAAATACCCCTTTCATGTCGACGCTTCTCTGGAGGC 960
DB 901 GTGGCCAAAGTTAACTGTGACAGATATAAATCCCACTCCATGTCGATGCTTCTGTGGGGGC 960
QY 961 TTCCTCATCTGCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG 1020
DB 961 TTCCTCATTTGTCTTCATGGAGAAAGCAGGATACCCACTGGAGAAACCATTTGATTTCCGG 1020
QY 1021 GTGAAGGTTAAACAGCATTTTCACTGACACCCATTAAGTATGGCTATGCCCAAAAGGC 1080
DB 1021 GTGAAGGTTGACCAAGATTTTCAAGAGATCTCATTAAGTATGGCTATGCTCTAAAGGT 1080
QY 1081 TCATCATTTGGTGTGTATGTAACAAGATGACAGAACTATCAGTTCTTCGTCTGATACA 1140
DB 1081 TCATCAGTGGTGTGTACTCTTAACGAGAAAGTACAGGACGTACCAAGTTCTTTTGTGTGCA 1140
QY 1141 GATTCGAGGCTGGCATCTATGCTTCCCAACCATCCAGGCTCACGGCTGGTGGCATT 1200
DB 1141 GACTGGCAAGGTTGGTGTCTACGATCTCCAGCATAGCTGGCTCACGGCTGGTGGCATC 1200
QY 1201 AGCGCAGGCTGTGGGCTGCTTGCATGCTCCCTGAGAACCGGCTATGTTGAAGTACC 1260
DB 1201 ATTTGAGCCTGTGGGGGCTTGCATGCTCCGTTGAGAACCGCTATGTTGAAGTACC 1260
QY 1261 AAACAGATCATCAAAACTGCTCGCTTCTCAAGTCAGAACTGGAAATATCAAGGATC 1320
DB 1261 AAACAGATCATCAAAACTGCTCGCTTCTCAAGTCAGAACTGGAAATATCAAAACATC 1320

1321 TTGTTTGGGAAATCCCAATTTGTCACCTCATCTCTGGGATCCCGTATTTGACATC 1380
1321 TTCAATTTTCGGTGATCTCTCAATTTGTCAGTTATTTGCTCTGGATCCACGATTTGACAT 1380
1381 TACCGACTATCAAACTGATGATCTCTAAGGGTGGAACTTGAACAGTTGCGAGTTCCCA 1440
1381 TACCGACTATCAATATGATGATCTCTAAGGGTGGAACTTGAACAGTTGCGAGTTCCCA 1440
1441 CCAGTATTCAATTTCTGATCATCAATTTACACGCGCCGAAACGAGTAGCTATACAAATTC 1500
1441 AGAAGCAATTTCTGATCATCAATTTACATCTCGAAGCGAGTGGGATCCAGTTTC 1500
1501 CTAAGGACATTCGAGAAATCTCTCACTCAATCATGAAGATCTTAAGCGAAGACACACA 1560
1501 CTAAGGATATCCGGGAATCACTCAACAAATCATGAAGATCTTAAGCGAAGACACACA 1560
1561 GGAATGGGTGCCATCTATCCATGCGCCAGACAACTGTTGACAGGAATATGTTTGCAGAA 1620
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1621 ATATCTCTCGTCTTCTTGGACTGCTTTATATCTACGACCCCGTGACTCAGGGCAACAG 1680
1681 ATGAATGGTCTCCAAACCCCACTGA 1707
1681 ATGAACGGTTCTCCAAAGCCCGCTGA 1707

RESULT 13
US-10-348-052-5
; Sequence 5, Application US/10348052
; Publication No. US20030219782A1
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: First, Henrik
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE MODULATION
; TITLE OF INVENTION: OF SPHINGOLIPID METABOLISM AND/OR SIGNALING
; FILE REFERENCE: 200116.405
; CURRENT APPLICATION NUMBER: US/10/348.052
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1707)
US-10-348-052-5

Query Match 74.98; Score 1278.2; DB 15; Length 1707;
Best Local Similarity 84.38; Pred. No. 0;
Matches 1439; Conservative 0; Mismatches 268; Indels 0; Gaps 0;

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1 ATGCCCCGAACCGACCTCTCAAGCTGAAGACTTCGAGCCTTATTTGAGATTTTGGAA 60
61 GTATATCCCAAAAGCCAGAAATTTGTAATGGAATTTGCAACCAATATGAGCCCTGG 120
61 TCTTATTTCCAAAGCCAGAAATTTGTAATGGAATTTGCAACCAATATGAGCCCTGG 120
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121 CAGCTAATTTGATGAGTGTGTTGAGCCCTCTGATAGTCTGGGATATGAGTTTGTTC 180
181 TTCAGCAGAGAGATTTATGTCAGGTTTAAAGAAATTTTAAAGCTCCACGAGGAG 240
181 TTCAGCAGAGAGATTTATGTCAGGTTTAAAGAAATTTTAAAGCTTATCAGGAGAG 240
241 ATGCCATTATTTGGTCTGATGATTTCAAGCAAGTTGAACCAAGGATGATATTAGC 300

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301 AAGAACATGTCATTCTCTGAAAGTGGACAAAGAGTATGTGAAAGCTTTACCCCTCCAGGAT 360
301 AAGAACATGTCATTCTCTGAAAGTGGACAAAGAGTATGTGAAAGCTTTACCCCTCCAGGAT 360
361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGAGCGCTCTCTG 420
361 ATGGGCACAGCTGAGGTTCTGGAGAGACTCAAGAGGTACAGCTCCATGATGTTCTCTG 420
421 CAAGAGGGGAGAGCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCACTGAGCTCCCTT 480
421 CAAGAGGGGAGAGCTCTGGAACAGTGTGTACATGGGGAACCGAAGCTCACGAGCTCTG 480
481 GTGAAGGCTTATGAGAGATTTTGCATGAGAGTAAACCCCTGATCCAGATATCTTCCAGGA 540
481 GTGAGGCTTATGAGAGATTTTGCATGAGAGTAAACCCCTGATCCAGATATCTTCCCTGGA 540
541 CTACCAAGATAGAGGAGAGAAATTTGTCAGGATAGCTTGTTCCTCTTCAATGGGGAGCA 600
541 TTGCGGAAGTTAGAGGAGAGAAATCTGTTAGGATGACTTGTTCCTCTTCAATGGGGAGCA 600
601 GATTCGTGATGTTGATCTTCTGGGGAAACAGAAAGCATATCTGAGCTCTGAGCTCTG 660
601 GATTCGTGATGTTGATCTTCTGGGGAAACAGAAAGCATATCTGAGCTCTGAGCTCTG 660
661 TGTGCGGATCTGCGCTTGTGAGAGGGATCAAACTCCAGAAATTTGCGCTCCCGAAAGT 720
661 TACCGGAGCTTGGCGCTTAGAAGGGAGTCAAACTCCAGAAATTTGCGCTCCCGAGAT 720
721 GCCCATGCTGCTATTTAAACAAAGCAGCAGTTTACTTTGGGATGAAGATTTGCGGCTCCCA 780
721 GCCCATGCTGCTATTTAAACAAAGCAGCAGTTTACTTTGGGATGAAGATTTGCGGATTTGCA 780
781 TTGACAGAGATGATGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGT 840
781 CTGAAAAAGAACATGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGTGAGGAGTGT 840
841 GCATGCTCTGCTGTTTCTACCCCAAGTTTCTCATGTTGTAATGATCTCTGCTCCCTGAA 900
841 GCTATGCTGCTGTTTCTACCCCAAGTTTCTCATGTTGTAATGATCTCTGCTCCCTGAA 900
901 GTGCGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960
901 GTGCGCAAGTTTAACTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 960
961 TTCCTCATGCTCTTTATGGAGAAAGCAGGATACCCACTGGAGAACCAATTTGATTTCCGG 1020
961 TTCCTCATGCTCTTTATGGAGAAAGCAGGATACCCACTGGAGAACCAATTTGATTTCCGG 1020
1021 GTGAAGGTTGTAACCAAGCATTTTACCTGATGATGATGATGATGATGATGATGATGATGAT 1080
1021 GTGAAGGTTGTAACCAAGCATTTTACCTGATGATGATGATGATGATGATGATGATGATGAT 1080
1081 TCATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
1081 TCATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1140
1141 GATTTGCAAGGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
1141 GATTTGCAAGGTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1200
1201 AGCGCAGCTGTTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1260
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1261 AAACAGATCATCAAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
1261 AAACAGATCATCAAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1320
1321 TTTGTTTTGGGATCCCAATTTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380

1321 TTCAATTTTCGGTGATCCTCAATTTGTCAGTTATTGCTCTGGGATCCAAAGATTTTGACATT 1380
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 1381 TACCGACTATCAAACTGATGACTCTAAGGGTGGAACTTGAACCAAGTTGCGAGTTCCCA 1440
 1441 CCAGATTATCTTTCGATCATCTACTACACGCGCCGGAACGAGTAGCTATACAAATC 1500
 1441 AGAAGCAATTCATTTCTGCAATTAAGTTAGTACATCTCGAAGCGAGTGGCGATCCAGTTC 1500
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 1621 ATATCCTCGTCTTCTTGACAGCTTGTACAGACCGACACTGTCACCCAGGCGACCCAG 1680
 1681 ATGAAGGTTCCTCCAAACCCCACTGA 1707
 1681 ATGAAGGTTCCTCCAAAGCCCGCTGA 1707

RESULT 14

US-10-286-175-9
 ; Sequence 9, Application US/10286175
 ; Publication No. US20030059922A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Saba, Julie D.
 ; Zhou, Jianhui
 ; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
 ; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
 ; METHODS OF USE THEREFOR
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Seed Intellectual Property Law Group
 ; STREET: 701 Fifth Avenue, Suite 6300
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: USA
 ; ZIP: 98055
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: IBM PC compatible
 ; SOFTWARE: Patent in Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: 30-Oct-2002
 ; CLASSIFICATION: <Unknown>
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Roserman, Steven J.
 ; REGISTRATION NUMBER: 43,058
 ; REFERENCE/DOCKET NUMBER: 200116.402C3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (206) 622-4900
 ; TELEFAX: (206) 682-6031
 ; INFORMATION FOR SEQ ID NO: 9:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1467 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: 1..1464
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 9:
 US-10-286-175-9

Query Match 71.3%; Score 1217; DB 14; Length 1467;
 Best Local Similarity 85.9%; Pred. No. 0;
 Matches 1467; Conservative 0; Mismatches 0; Indels 240; Gaps 1;
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 DB 1 ATGCTAGACAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTGGA 60
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 DB 61 GTATCTCCACAAAGCCCAAGAAATATGTAATGACATTGCAACCAAGTATGAGCCCTGG 120
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 DB 121 CAGTAAATGTCATGAGTGTCTGTGGACCTCTGCTGATGATGCTGGGATATGATTTGTC 180
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 DB 361 CTGAGCTCATCTGCTGTTTGGAGAACTTTAAGAGTACAGTCTTATGAGCCCTCTTGG 420
 QY 421 CAAGAGGGAGAGCCCTCTGAAACAGTGTACAGTGGGAGGAGAGAGCTCAGTACCTCTT 480
 DB 421 CAAGAGGGAGAGCCCTCTGAAACAGTGTACAGTGGGAGGAGAGAGCTCAGTACCTCTT 480
 QY 481 GTGAAGCTTTATGAGAGATTTGATGAGGATGATGTTCCCTGTTCAATGGGGACCA 540
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 DB 781 TTGACGAAGATGATGAGGATGATGAGGATGATGAGGATGATGAGGATGATGAGGATGAT 840
 QY 841 GCCATGCTGCTGCTTCTACCCACAGTTTCTCATGTTGTAATAGATCTCTGCTCCCTGAA 900
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 QY 901 GTGCGCAAGCTGCTGCTCAAAATACAAATACCCCTTCAATGTCGACGCTTGTCTGGAGGC 960
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QY	1081	TCATCAATGGTGTGTATAGTGACAAGAAGTACAGGAATATCAGTTCTTGTGTCGATACA	1140
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QY	1141	GATTGGCAGGGTGCATCTATGTCTCCCAACCATCGCAGGCTCAGGCCTGTGGCATTT	1200
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QY	1201	AGCGCAGCCTGTGTGGGTGCTTGATGATGACCTCTCGGTGAGAACGGCTATGTTGAAGCTACC	1260
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QY	1261	AAACAGATCATCAAAATGCTCGCTTCCTCAAGTCAGAACTGGAANAATATCAAGGCGATC	1320
Db	1060	-----CTGGAANAATATCAAGGCGATC	1080
QY	1321	TTTGTGTTTGGGAATCCCAATGTGCACCTCAITGCTCTGGGATCCCGTGATTTTGACATC	1380
Db	1081	TTTGTGTTTGGGAATCCCAATGTGCACCTCAITGCTCTGGGATCCCGTGATTTTGACATC	1140
QY	1381	TACCGACTATCAAACTTGATGACTGTCTAAGGGTGGAACTTGAAACGAGTTCAGTTCCCA	1440
Db	1141	TACCGACTATCAAACTTGATGACTGTCTAAGGGTGGAACTTGAAACGAGTTCAGTTCCCA	1200
QY	1441	CCGAGTATTCAITTTCTGCATCAATTAATACAGCCCGGAAACGAGTAGCTATACAATTC	1500
Db	1201	CCGAGTATTCAITTTCTGCATCAATTAATACAGCCCGGAAACGAGTAGCTATACAATTC	1260
QY	1501	CTAAAGGACATTCCGAGAATCTGTCACTCAAAATCATGAAGAATCTCTAAAGCGAAGACCCACA	1560
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Db	1321	GGATGGGTGCCATCTATGCCATGGCCCGACAGCAACTGTTGACGGAATATGTTTGCGAGA	1380
QY	1621	TTGTCTCAGTCTCTTTGGACAGCTTGTACAGACCGACACTGTCAACCCAGGGGACCCAG	1680
Db	1381	TTGTCTCAGTCTCTTTGGACAGCTTGTACAGACCGACACTGTCAACCCAGGGGACCCAG	1440
QY	1681	ATGAATGGTCTCTCAAAACCCCACTGA	1707
Db	1441	ATGAATGGTCTCTCAAAACCCCACTGA	1467

RESULT 15

RESULTS IS
US-10-197-073-9

US-10-157-073-5
; Sequence 9, Application US/10197073

Sequence 3, Application US/1019
Publication No. US20030166897A1

; PUBLICATION NO: US2003
; GENERAL INFORMATION:

APPLICANT: Saba, Julie D.

REFUGEE: SADA, JULIE D.
Jianhui Zhou.

TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE

TITLE OF INVENTION: SERINGOSINE-1-PHOSPHATE LIASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND

POLYPEPTIDES, POLYNUCLEOTIDES, AND METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:

ADDRESSEE: Seed Intellectual Property Law Group

ADDRESS: seed intellectual property
STREET: 701 Fifth Avenue, Suite 6300

STREET: 701 FLICK
CITY: Seattle

CITY: Seattle
STATE: Washington

STATE: WASHINGTON
COUNTRY: USACOUNTRY: U
ZIP: 98055

FILE: 38033
COMPUTER READABLE FORM:

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COMPUTER READABLE FORM;
MEDIUM TYPE: Floppy disk

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COMPUTER: IBM PC compatible
MEDIUM LIFE: floppy disk

COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0 Version #1 30

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SOFTWARE: FALCONIII R
:
CURRENT APPLICATION DATA:

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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/197.073

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Db 781 TTGACGAAGATGATGGAGGTGGATGTGAGGGCAATGAGAAGAGCTATCTCCAGGAACACT 840
2Y 841 GCCATGCTCGTCTGTTCTACCCACAGTTTCCTCATGGTGAATAGATCCTGTCCCTGAA 900
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Db 961 TTCCTCATCGTCTTTATGGGAAGCAGGATACCCACTGGAGCACCATTGTGATTTCCGG 1020
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Db 1060 ----- 1059
1Y 1141 GATTGGCAGGTGGCATCTATGTCTTCCCAACCATCGAGGCTCAGGGCTGTGGCAT 1200
Db 1060 ----- 1059
2Y 1201 AGCGCAGCCTGTGGGCTGCCCTGTATGACACTTCGGTGAGAACGGCTATGTTGAAGTACC 1260
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Db 1081 TTTGTTTTTGGAAATCCCAATTTGTCACTCATTTGCTCTGGGATCCCGTGATTTTGACATC 1140
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2Y 1621 TTGTCTCAGTCTTTTGGACAGCTTTGACAGCCGACACTGTCAACCCAGGCGAGCCAG 1680
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Db 1441 ATGAATGGTTCCTCCAAAACCCCACTGA 1467
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Job time : 458 secs

GenCore version 5.1.6
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DM nucleic - nucleic search, using sw model

Run on: March 30, 2004, 03:08:57 ; Search time 87 Seconds
(without alignments)
10888.519 Million cell updates/sec

Title: US-10-053-510-7

Perfect score: 1707
Sequence: 1 atgcctagcagacacctctt.....gtctccaaacccactga 1707

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*

4: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*

5: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*

6: /cgn2_6/ptodata/2/ina/PTCUS_COMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1707	100.0	1707	4	US-08-939-309-3
2	1707	100.0	1707	4	US-08-849-180-3
3	1707	100.0	1707	4	US-09-356-643B-7
4	1699	99.5	2130	4	US-09-740-369-1
5	1278.2	74.9	1707	4	US-08-939-309-1
6	1278.2	74.9	1707	4	US-08-849-180-1
7	1278.2	74.9	1707	4	US-09-356-643B-5
8	1217	71.3	1467	4	US-08-939-309-9
9	1217	71.3	1467	4	US-09-849-180-9
10	1217	71.3	1467	4	US-09-356-643B-9
11	284.4	16.7	785	4	US-09-740-369-3
12	256.2	15.0	1770	4	US-08-939-309-7
13	256.2	15.0	1770	4	US-09-849-180-7
14	256.2	15.0	1770	4	US-09-356-643B-1
15	225.6	13.2	1629	4	US-08-939-309-5
16	225.6	13.2	1629	4	US-09-849-180-5
17	225.6	13.2	1629	4	US-09-356-643B-3
18	80.2	4.7	3162	4	US-09-356-643B-12
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21	37.6	2.2	1268	4	US-08-956-171E-293
22	36.4	2.1	921	4	US-09-328-352-492
23	36.2	2.1	1440	4	US-09-543-681A-684
24	34.8	2.0	474	4	US-09-621-976-18033
25	34.8	2.0	2812	4	US-09-702-953B-1
26	34.6	2.0	505	4	US-09-621-976-15639
27	34.4	2.0	832	4	US-09-621-976-2813

28 34.2 2.0 612 4 US-09-716-865-7 Sequence 7, Appli
29 34.2 2.0 55216 4 US-09-716-865-23 Sequence 23, Appli
30 34.2 2.0 1830121 4 US-09-557-884-1 Sequence 1, Appli
31 34.2 2.0 1830121 4 US-09-643-990A-1 Sequence 1, Appli
32 34 2.0 348 3 US-08-478-097A-29 Sequence 29, Appli
33 34 2.0 348 4 US-09-496-398-29 Sequence 29, Appli
34 34 2.0 1392 3 US-08-478-097A-37 Sequence 37, Appli
35 34 2.0 1392 4 US-09-496-398-37 Sequence 37, Appli
36 34 2.0 2665 4 US-08-971-089-5 Sequence 5, Appli
37 34 2.0 2896 4 US-09-266-225D-9 Sequence 9, Appli
38 33 1.9 392000 4 US-10-027-983-11 Sequence 11, Appli
39 32.8 1.9 1620 4 US-08-936-165A-124 Sequence 124, Appli
40 32.8 1.9 32155 4 US-08-311-731A-1 Sequence 1, Appli
41 32.8 1.9 4403765 3 US-09-103-840A-2 Sequence 2, Appli
42 32.8 1.9 4411529 3 US-09-103-840A-1 Sequence 1, Appli
43 32.4 1.9 98844 4 US-09-791-211-10 Sequence 10, Appli
44 32.2 1.9 1020 4 US-09-107-532A-379 Sequence 379, Appli
45 32.2 1.9 2358 3 US-09-022-983-1 Sequence 1, Appli

ALIGNMENTS

RESULT 1

US-08-939-309-3

; Sequence 3, Application US/08939309

; Patent No. 6423527 A*

; GENERAL INFORMATION:

; APPLICANT: Saba, Julie D.

; APPLICANT: Zhou, Jianhui

; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE

; TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: SEED AND BERRY LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: USA

; ZIP: 98104

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/939,309

; FILING DATE: 29-SEP-1997

; CLASSIFICATION: 800

; ATTORNEY/AGENT INFORMATION:

; NAME: David, Maki J.

; REGISTRATION NUMBER: 31,392

; REFERENCE/DOCKET NUMBER: 200116.402

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 3:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1707 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; FEATURE:

; NAME/KEY: CDS

; LOCATION: 1..1704

US-08-939-309-3

Query Match 100.0%; Score 1707; DB 4; Length 1707;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1707; Conservative 0; Mismatches 0; Gaps 0;

QY 1 ATGCCTAGCAGACCTCTCTGATCTTGAAGCCCTTTGAGCCCTACTTAGAGATTGGA 60

Db 1 ATGCTAGCACAGACCTTCTGATGTTGAAGCCCTTTGAGCCCTACTTAGAGATTTGGAA 60
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Db 61 GTATATCTCCACAAAAGCCAAAGATTTATGTAATGACATTGCACCAAGTATGAGCCCTGG 120
Qy 121 CAGCTAAATTCATGAGTGTCTGTGGACCCCTGCTGATGATGCTGGGATATGAGTTGTC 180
Db 121 CAGCTAAATTCATGAGTGTCTGTGGACCCCTGCTGATGATGCTGGGATATGAGTTGTC 180
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Qy 241 ATGCCCAATTTATGTTGTTGAAGATTCACAGCAAGTTGAAACAAGCAAGGATGATTTAGC 300
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Db 301 AAGAACATGTCATTCTGTAAGTGAACAAAGATGTAAGGCTTTTACCTCCAGGGT 360
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Db 361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGAGACGCTTCTGG 420
Qy 421 CAAGAGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCAGTACGCTCTT 480
Db 421 CAAGAGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCAGTACGCTCTT 480
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Db 481 GTGAAGGCTTATGAGATTTTGGAGAACTTAAAGAGTACAGCTCTATGAGACGCTTCTGG 540
Qy 541 CTACGCAAGATGAGGAGCAAAATGTAAGGATGAGTGTGCTGCTGCTGCTGCTGCTGCTG 600
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Db 721 GCGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780
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Db 781 TTGACGAAGATGATGAGGTGATGAGGCAATGAGGCAATGAGGCAATGAGGCAATGAGGCAAT 840
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Qy 901 GTGCGCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 960
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Db 961 TTCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
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Db 1081 TCATCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1140
Qy 1141 GATTGGCAGGTGGCATCTATGCTTCCCAACCATCCAGGCTCAAGGCTGCTGCTGCTGCTGCTG 1200
Db 1141 GATTGGCAGGTGGCATCTATGCTTCCCAACCATCCAGGCTCAAGGCTGCTGCTGCTGCTGCTG 1200
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Db 1201 AGCGCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1260
Qy 1261 AAACAGATCATCAAAACCTGCTGCTTCCCTCAAGTCAGAACTGGAATAATCAAAAGCATC 1320
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Qy 1321 TTTGTTTGGGATCCCAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1380
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Qy 1381 TACCAGCTATCAAAACCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440
Db 1381 TACCAGCTATCAAAACCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440
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Qy 1501 CTAAAGGACATTCAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Db 1501 CTAAAGGACATTCAGAACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1560
Qy 1561 GGAATGGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
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Db 1621 TTGCTCTCAGTCTTCTTGGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1680
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Db 1681 ATGAATGCTTCTCAAAACCCCTGTA 1707

RESULT 2

US-09-849-180-3
; Sequence 3, Application US/09849180
; Patent No. 6495359

GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; Zhou, Jianhui

TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
; ADDRESS: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98055

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/849,180
; FILING DATE: 04-May-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Pepe, Jeffrey C.
; REGISTRATION NUMBER: 46,985

REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1707 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1704
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-849-180-3

Query Match 100.0%; Score 1707; DB 4; Length 1707;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1707; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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181 TTCAGCCAGAGAGTTATGCTCAAGGTTTAAAGAAATGTTTAAAGCTCACAGGAAG 240
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361 CTGAGCTCATCTGCTGTTTGGAGAACTTAAAGAGTACAGCTCTATGGAGCGCTTCTGG 420
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Db 781 TTGACGAAGATGATGGAGTGTGATGGGCAATGAGAAGCATCTATCTCCAGGAACACT 840
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Db 841 GCCATGCTCGTCTGTTCTATACCCACAGTTTCTCATGTTGTAATAGATCTGTCCTGAA 900
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Db 1681 ATGAATGGTCTCCAAACCCCACTGA 1707

RESULT 3
US-09-356-643B-7
; Sequence 7, Application US/09356643B
; Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR

```

; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356,643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1707)
; US-09-356-643B-7

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Query Match	100.0%	Score 1707;	DB 4;	Length 1707;
Best Local Similarity	100.0%;	Pred. No. 0;		
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DB	61	GTATACTCCACAAAGCCAGAAATATGTAATGGAATGACCAATGCACCAAGTATGAGCCCTGG	120	
QY	121	CAGCTAAATTGCATGAGTGTGCTGGACCCCTGCTGATGCTGCGGATATGAGTTTCTC	180	
DB	121	CAGCTAAATTGCATGAGTGTGCTGGACCCCTGCTGATGCTGCGGATATGAGTTTCTC	180	
QY	181	TTCCAGCCAGAGAGTTTATGTCGCAAGCTTTTAAAGAAATGTTTTAAGCTCACCAAGGAAG	240	
DB	181	TTCCAGCCAGAGAGTTTATGTCGCAAGCTTTTAAAGAAATGTTTTAAGCTCACCAAGGAAG	240	
QY	241	ATGCCCATATTGGTCTGPAAGATTCAGACAAGTTGAAACAAGACCAAGATGATATTAGC	300	
DB	241	ATGCCCATATTGGTCTGPAAGATTCAGACAAGTTGAAACAAGACCAAGATGATATTAGC	300	
QY	301	AGAACAATGTCACTCCGAAAGTGGACAAGAGATGTGAAAGCTTTACCTCCACAGGT	360	
DB	301	AGAACAATGTCACTCCGAAAGTGGACAAGAGATGTGAAAGCTTTACCTCCACAGGT	360	
QY	361	CTGAGCTCATCTGTGTTTTGGAGAACTTAAAGAGTACAGCTCTATGAGACGCTTCTGG	420	
DB	361	CTGAGCTCATCTGTGTTTTGGAGAACTTAAAGAGTACAGCTCTATGAGACGCTTCTGG	420	
QY	421	CAAGAGGGAGAGCCTCTGGAAACAGTGTACAGTGGGAGGAGAGCTCACTGAGCTCCTT	480	
DB	421	CAAGAGGGAGAGCCTCTGGAAACAGTGTACAGTGGGAGGAGAGCTCACTGAGCTCCTT	480	
QY	481	GTGAAGCTTATGAGAGATTTTGATGAGTAAACCCCTGCATCCAGATATCTCCAGGA	540	
DB	481	GTGAAGCTTATGAGAGATTTTGATGAGTAAACCCCTGCATCCAGATATCTCCAGGA	540	
QY	541	CTACGCAAGATAGAGCAGAAATGTGAGGATAGCTTTGTCCTGTTCAATGGGGACCA	600	
DB	541	CTACGCAAGATAGAGCAGAAATGTGAGGATAGCTTTGTCCTGTTCAATGGGGACCA	600	
QY	601	GATTCGTGGAATGTGATCTCTGGGGGAACAGAAAGCATCTCATGSCCTGCAAGCA	660	
DB	601	GATTCGTGGAATGTGATCTCTGGGGGAACAGAAAGCATCTCATGSCCTGCAAGCA	660	
QY	661	TGTGCGGATCTGGCCTTTGAGAAGGGGATCAAAACTCCAGAAATTTGGTCTCCCAAGT	720	
DB	661	TGTGCGGATCTGGCCTTTGAGAAGGGGATCAAAACTCCAGAAATTTGGTCTCCCAAGT	720	
QY	721	GCCCATGCTGCAATTTAAACAGACGCAATCTTTGGATGAGATGTGCGGGTCCCA	780	
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QY	781	TTACGCAAGATGATGAGGTGATGTGAGGGCAATGAGAAGAGCTATCTCCAGGAACAT	840	
DB	781	TTACGCAAGATGATGAGGTGATGTGAGGGCAATGAGAAGAGCTATCTCCAGGAACAT	840	

Qy	841	GCCATGCTCGTCTGTTCTTCAACCCGACAGTTTCTCTCATGCTGTAATAGATATCTGTGCCGTGAA	900
Db	841	GCCATGCTCGTCTGTTCTTCAACCCGACAGTTTCTCTCATGCTGTAATAGATATCTGTGCCGTGAA	900
Qy	901	GTGGCCCAAGCTGGCTGTCTCAATACAAATACCCCTTTCATGTGCGACGCTGTGTCGGGAGGC	960
Db	901	GTGGCCCAAGCTGGCTGTCTCAATACAAATACCCCTTTCATGTGCGACGCTGTGTCGGGAGGC	960
Qy	961	TTCCCTCATCTCTTTATGAGGAAGACAGATACCCACTGGGAGCACCCATTTGATTTTCGGG	1020
Db	961	TTCCCTCATCTCTTTATGAGGAAGACAGATACCCACTGGGAGCACCCATTTGATTTTCGGG	1020
Qy	1021	GTGAAGAGGTGTAAACCAGCATTTTCAGCTGCACACCCATAAGTATGGCTATGCCCCAAAAGGC	1080
Db	1021	GTGAAGAGGTGTAAACCAGCATTTTCAGCTGCACACCCATAAGTATGGCTATGCCCCAAAAGGC	1080
Qy	1081	TCATCATTTGGTGTGTATAGTACGAAGAAGTACAGAACTATCAGTTCTTTCGTGCGATACA	1140
Db	1081	TCATCATTTGGTGTGTATAGTACGAAGAAGTACAGAACTATCAGTTCTTTCGTGCGATACA	1140
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Qy	1321	TTTGTGTTTTGGGAATCCCCAATTTGTCACTCATTTGCTCTGGGATCCCGTGATTTTGACATC	1380
Db	1321	TTTGTGTTTTGGGAATCCCCAATTTGTCACTCATTTGCTCTGGGATCCCGTGATTTTGACATC	1380
Qy	1381	TACCGACTATCAAACTTGATGACTGCTAAGGGGTGAACTTCGAAACAGTTGCGAGTTCCCA	1440
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Qy	1441	CCCGAGTATTCATTTTCGCATCACATTACTACACGCCCGGAAACGAGTAGCTATACAATTC	1500
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Qy	1501	CTAAGGACATTCGAGATCTGTCACTCAAACTCAAGAATCCTTAAAGCGAAGACCCACA	1560
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Qy	1561	GGAAATGGGTGGCATCTATGCCATGGCCCGCACAACTGTTTGA CAGGAATATGGTTTCAGAA	1620
Db	1561	GGAAATGGGTGGCATCTATGCCATGGCCCGCACAACTGTTTGA CAGGAATATGGTTTCAGAA	1620
Qy	1621	TTGTCTCTCAGTCTTCTTGGACAGCTTGTACAGCACCGCACACTGTCA CCGCAGGCGACGCAG	1680
Db	1621	TTGTCTCTCAGTCTTCTTGGACAGCTTGTACAGCACCGCACACTGTCA CCGCAGGCGACGCAG	1680
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RESULT 4
US-09-740-369-1
; Sequence 1, Application US/09740369
; Patent No. 6521437
; GENERAL INFORMATION:
; APPLICANT: DUCKWORTH, DAVID MALCOLM
; APPLICANT: GODDEN, ROBERT JAMES
; APPLICANT: TESTA, TANIA TAMSON
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP-30034-D1
; CURRENT APPLICATION NUMBER: US/09/740/369

CURRENT FILING DATE: 2000-12-19
PRIOR APPLICATION NUMBER: EP 98300625.5
PRIOR FILING DATE: 1998-01-29
PRIOR APPLICATION NUMBER: UK 9824026.0
PRIOR FILING DATE: 1998-11-03
PRIOR APPLICATION NUMBER: 09/238,373
PRIOR FILING DATE: 1999-01-27
NUMBER OF SEQ ID NOS: 4
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 2130
TYPE: DNA
ORGANISM: HOMO SAPIENS
J9-09-740-369-1

Query Match 99.5%; Score 1699; DB 4; Length 2130;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1702; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
2Y 1 ATGCTAGCAGACACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTTTGGAA 60
Db 178 ATGCTAGCAGACACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTTTGGAA 237
2Y 61 GTATACCTCCAAAAGCCAGAAATTATGTAATGGACATTGCAACCAAGTATGAGCCCTGG 120
Db 238 GTATACCTCCAAAAGCCAGAAATTATGTAATGGACATTGCAACCAAGTATGAGCCCTGG 297
2Y 121 CAGCTAATGTGATGAGGTGCTGCTGACCCCTGCTGATAGTCTGGGATATGATTTGTC 180
Db 298 CAGCTAATGTGATGAGGTGCTGCTGACCCCTGCTGATAGTCTGGGATATGATTTGTC 357
2Y 191 TTCAGCCAGAGATTTATGCTAAGGTTTAAAGAAATTTTAAAGTCTCACCAGGAG 240
Db 358 TTCAGCCAGAGATTTATGCTAAGGTTTAAAGAAATTTTAAAGTCTCACCAGGAG 417
2Y 241 ATGCCCATTTTGTGCTGTAAGATTCAAGCAAGTTGAACCAAGGATGATATTAGC 300
Db 418 ATGCCCATTTTGTGCTGTAAGATTCAAGCAAGTTGAACCAAGGATGATATTAGC 477
2Y 301 AAGAACTGTCTATCTGAAAGTGAACAAAGATATGTGAAGCTTACCTCCAGGGT 360
Db 478 AAGAACTGTCTATCTGAAAGTGAACAAAGATATGTGAAGCTTACCTCCAGGGT 537
2Y 361 CTGACTCATCTGCTGTTTGGAGAACTTAAGAGTACAGCTCTATGAGGCTCTCTGG 420
Db 538 CTGACTCATCTGCTGTTTGGAGAACTTAAGAGTACAGCTCTATGAGGCTCTCTGG 597
2Y 421 CAAGAGGGAGAGCCCTCTGAACTAGTGTACAGTGGGAGGAGAGCTCACTGAGCTCCTT 480
Db 598 CAAGAGGGAGAGCCCTCTGAACTAGTGTACAGTGGGAGGAGAGCTCACTGAGCTCCTT 657
2Y 481 GTGAAGGCTTATGAGATTTTGCATGGAGTAACCCCTGCTATCCAGATATCTCCAGGA 540
Db 658 GTGAAGGCTTATGAGATTTTGCATGGAGTAACCCCTGCTATCCAGATATCTCCAGGA 717
2Y 541 CTACGCAAGATAGAGCCAGAAATTTGAGGATAGTGTGTTCCCTGTTCAATGGGGACCA 600
Db 718 CTACGCAAGATAGAGCCAGAAATTTGAGGATAGTGTGTTCCCTGTTCAATGGGGACCA 777
2Y 601 GATTGCTGTGATGTGATCTTCTGGGGAAACAGAAAGTATCTATGAGCTGCAAGGA 660
Db 778 GATTGCTGTGATGTGATCTTCTGGGGAAACAGAAAGTATCTATGAGCTGCAAGGA 837
2Y 661 TGTGCGGATCTGCGCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 720
Db 838 TATCGGGATCTGCGCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCAAGT 897
2Y 721 GCCATGCTGCAATTAACAAAGCAGCCAGTACTTTGGGATGAAGATTGCGGGTCCCA 780
Db 898 GCCATGCTGCAATTAACAAAGCAGCCAGTACTTTGGGATGAAGATTGCGGGTCCCA 957
2Y 781 TTGACCAAGATGATGAGGTGATGTGAGGCAATGAGAGGATCTCTCCAGGAACACT 840

Db 958 TTCACGAAGATGATGAGGTGGATGTGCGGCAATGAGAAGAGCTATCTCCAGGAACACT 1017
QY 841 GCCATGCTGCTGTTCTATCCCAAGTTTCTCATGGTGTAAATAGATCCTCTCCCTGAA 900
Db 1018 GCCATGCTGCTGTTCTATCCCAAGTTTCTCATGGTGTAAATAGATCCTCTCCCTGAA 1077
QY 901 GTGCCAAGCTGGCTGTCAAAATACAAAATACCCCTTATGTGACAGCTTGTCTGGAGGC 960
Db 1078 GTGCCAAGCTGGCTGTCAAAATACAAAATACCCCTTATGTGACAGCTTGTCTGGAGGC 1137
QY 961 TTCTCATCTGCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG 1020
Db 1138 TTCTCATCTGCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG 1197
QY 1021 GTGAAGGTGTAAACAGCATTTTTCAGCTGACCCCAATAGTATGGCTATGCCCCAAAAGGC 1080
Db 1198 GTGAAGGTGTAAACAGCATTTTTCAGCTGACCCCAATAGTATGGCTATGCCCCAAAAGGC 1257
QY 1081 TCATCATTTGTTGTATAGTGACAGAAAGTACAGAACTATCAGTTCTTCTGCGATACA 1140
Db 1258 TCATCATTTGTTGTATAGTGACAGAAAGTACAGAACTATCAGTTCTTCTGCGATACA 1317
QY 1141 GATTGGCAGGCTGGCATCTATGCTTCCCAACCATCGCAGGCTCACGGCTCGTGCAAT 1200
Db 1318 GATTGGCAGGCTGGCATCTATGCTTCCCAACCATCGCAGGCTCACGGCTCGTGCAAT 1377
QY 1201 AGCCAGCCTGTTGGGCTGGCTTGTGACCTTTCGGTGAGAAAGGCTATGTTGAAGTACC 1260
Db 1378 AGCCAGCCTGTTGGGCTGGCTTGTGACCTTTCGGTGAGAAAGGCTATGTTGAAGTACC 1437
QY 1261 AAACAGATCATCAAACTGCTGCTCTCTCAAGTCAGAACTGGAAATATCAAAAGGCATC 1320
Db 1438 AAACAGATCATCAAACTGCTGCTCTCTCAAGTCAGAACTGGAAATATCAAAAGGCATC 1497
QY 1321 TTTGTTTTGGGAATCCCAATTTGTGACATCTATGCTCTGGATCCCGTATTTGACATC 1380
Db 1498 TTTGTTTTGGGAATCCCAATTTGTGACATCTATGCTCTGGATCCCGTATTTGACATC 1557
QY 1381 TACGACTATCAAACTGATGCTGCTAAGGGTGGAACTTGAACTGAGTTGCCA 1440
Db 1558 TACGACTATCAAACTGATGCTGCTAAGGGTGGAACTTGAACTGAGTTGCCA 1617
QY 1441 CCCAGTATTCATTTCTGCATCATTACTACAGCCCGGAAAGAGTAGCTATACAATTC 1500
Db 1618 CCCAGTATTCATTTCTGCATCATTACTACAGCCCGGAAAGAGTAGCTATACAATTC 1677
QY 1501 CTAAGGACATTCGAGATCTGCTCACTCAATCATGAAGATCTTAAAGCAGAACCA 1560
Db 1678 CTAAGGACATTCGAGATCTGCTCACTCAATCATGAAGATCTTAAAGCAGAACCA 1737
QY 1561 GGAATGGGTGCTATGCTATGCTGCGCCAGACAACTTTGACAGGAATATGTTGAGAA 1620
Db 1738 GGAATGGGTGCTATGCTATGCTGCGCCAGACAACTTTGACAGGAATATGTTGAGAA 1797
QY 1621 TTGCTCTCAGTCTTTGGACAGCTTGTACAGCACGACACTGTCTACCCAGGCGACCCAG 1680
Db 1798 TTGCTCTCAGTCTTTGGACAGCTTGTACAGCACGACACTGTCTACCCAGGCGACCCAG 1857
QY 1681 ATGAATGTTTCTCCAAAACCCCACTGA 1707
Db 1858 ATGAATGTTTCTCCAAAACCCCACTGA 1884

RESULT 5
US-08-939-309-1
; Sequence 1, Application US/08939309
; Patent No. 6423527
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; APPLICANT: Zhou, Jianhui
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR

NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,309
FILING DATE: 29-SEP-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: David Maki J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1707 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1704
US-08-939-309-1

Query Match 74.9%; Score 1278.2; DB 4; Length 1707;

Best Local Similarity 84.3%; Pred. No. 0; Mismatches 268; Indels 0; Gaps 0;

Matches 1439; Conservative

QY	1	ATGCTAGACAGACACCTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTGGAA	60
DB	1	ATGCCCGAACCGACCTCTCAAGCTGAAGACTTCGAGCCTTATTTGGAGATTGGAA	60
QY	61	GTATATCCACAAAGCCAGAAATATGTAATAGACATTCACCAAGATGAGCCCTGG	120
DB	61	TCCTATTCCACAAAGCCAGAAATATGTAATAGATATGACCAAAATATGAGCCCTGG	120
QY	121	CAGCTAATTCATGGAGTGTCTGCTGGACCTGCTGATAGTCTGGGGATATGAGTTGTC	180
DB	121	CAGCTANTGCTGGAGTGTCTGCTGATCTCTGCTGATGCTGGGTGATGAGCTTATC	180
QY	181	TTCCAGCCAGAGAGTTTATGGTCAAGGTTTAAAAAGAAATGTTTAAAGCTCACAGGAAG	240
DB	181	TTCCAGCCAGAGAGTTTATGGTCTCGGTTTAAAAAAATTTATTTAAAGCTTATCAGGAAG	240
QY	241	ATGCCCATTTTGGTGTGTAAGTTCAAGACAGTTGAACAAGCCACCAAGGATGATTTAGC	300
DB	241	ATGCCCATTTTGGAGTGAATCGAACACAGTGAAGGACCAAGCCACCAAGGATGATTTAGC	300
QY	301	AAGAACAATGTCTCTCTGAAAGTGAACAAGAGATATGTAAGAGCTTTACCTCCAGGGT	360
DB	301	AAGAACAATGTCTCTCTGAAAGTGAACAAGAGATATGTAAGAGCTTTACCTCCAGGGT	360
QY	361	CTAGAGCTATCTGCTGTTTGGAGAACTTAAGAGTACAGCTCTATGAGCCCTCTGCG	420
DB	361	ATGGGCACTGCTGAGGTTCTGAGAGACTCAAGAGTACAGCTCTATGATGTTCTCTGG	420
QY	421	CAAGAGGGAGAGCCCTCTGAAACAGTGTACAGTGGGGAGGAGAGCTCACTGAGCTCCT	480
DB	421	CAAGAGGGAGAGCCCTCAGAGCTGTGTACAATGGGGAACCGAAGCTCACGAGCTGCTG	480
QY	481	GTGAGGCTTATGAGATTTTGTGATGAGTAACCCCTGCATCCAGATATCTTCCAGGA	540
DB			

DB	481	GTGAGGCTTATGAGATTTCACTGGAGCAATCCACTGCATCCAGATATCTTCCCTGGA	540
QY	541	CTAGCAAGATAGAGGAGAAATGTGAGATAGCTTGTTCCTGTTCATATGGGGACCA	600
DB	541	TTGGGAAATGTAGAGGAGAAATCGTTAGATAGCTTGTTCCTGTTCATATGGGGACCA	600
QY	601	GATTCGTGTGATGTGTGACTTCTGGGGAAACAGAAAGCATACTCATGGCTCCAAAGCA	660
DB	601	GATTCGTGTGATGTGTGACTTCTGGGGAAACAGAAAGCATCTGTATGGCTCCAAAGCT	660
QY	661	TGTCCGATCTGGCTTTTGAGAGGGGATCAAACTCCAGAAATTTGTGGCTCCCAAGT	720
DB	661	TACCGGACTTTGGCTTTAGAGAGGGATCAAACTCCAGAAATTTGTGGCTCCCAAGT	720
QY	721	GCCCATGCTGATTTAAACAAGCAGCCAGTTTCTTGGGATGAAGATTGTGCGGTCCTCA	780
DB	721	GCCCATGCTGATTCGACAAAGCAGCTCATTTTGGGATGAAGATTGTCCGAGTTGCA	780
QY	781	TTGACGAAGATGATGGAGTGGATGTGAGGGCAATGAGAGAGCTATCTCCAGAACACT	840
DB	781	CTGAAAAAGAACATGGAGTGGATGTGAGGCAATGAGAGAGCTATCTCCAGAACACA	840
QY	841	GCCATGCTGCTGTTCTTACCCACAGTTTCTCATGCTGTAATAGATCTCTGCTCCCTGAA	900
DB	841	GCTATGCTGGTCTGTTCTTACCCACAGTTTCTCATGCTGTAATAGATCTCTGCTCCCTGAA	900
QY	901	GTGGCCAAAGCTGGTGTCAAAATACAAATACCCCTTCATGTCGACGCTTGTCTGGAGGC	960
DB	901	GTGGCCAAAGTTAACTGTGACATATAAAATCCCACTCCATGTGGATGCTTGTCTGGGGGC	960
QY	961	TTCTCTCATGCTTTATGAGAAAGCAGGATACCCACTGGAGCACCCTATGATTTCCGG	1020
DB	961	TTCTCTCATGCTTTATGAGAAAGCAGGATACCCACTGGAGAAACCAATTTGATTTCCGG	1020
QY	1021	GTGAAAGTGTAAACCAGCATTTCAAGCTGACACCCATAGATGCTATGCCCAAAAGGC	1080
DB	1021	GTGAAAGTGTGACCAAGCATTTCAAGCATCTCAAGTATGCTATGCTCTCAAGGT	1080
QY	1081	TCATCATTTGTTGTATGACAGAAAGTACAGAACTACTCATAGTATGCTTCTCGTCGATA	1140
DB	1081	TCATCAGTGGTGAATGACTCTAAAGAGAGTACAGGACGCTACCAAGTTCTTTTGGTGCA	1140
QY	1141	GATTCGAGGGTGGCATCTATGCTTCCCAACCATCGCAGGCTCACGGCTCTGGTGGCAT	1200
DB	1141	GACTGGCAAGTGGTGTCTACGATCTCCAAGCATAGCTGGCTCACGGCTCTGGTGGCAT	1200
QY	1201	AGCGAGGCTGTGGCTGCTGATGACCTTCGGTGAGAACGCTATGTTGAAGCTACC	1260
DB	1201	ATTGAGGCTGTGGGCGGCTTGTATGACCTTCGGTGAGAACGCTATGTTGAAGCTACC	1260
QY	1261	AAACAGATCATCAAACTGCTGCTTCTCAAGTCAGAACTGGAAATATCAAAAGGCATC	1320
DB	1261	AAACAGATCATCAAACTGCTGCTTCTCAAGTCAGAACTGGAAATATCAAAAGGCATC	1320
QY	1321	TTTGTGTTTGGAAATCCCAATTTGCTCAATTTGCTGCTGGATCCCAAGATTTTGACAT	1380
DB	1321	TTTGTGTTTGGAAATCCCAATTTGCTCAATTTGCTGCTGGATCCCAAGATTTTGACAT	1380
QY	1381	TACCGATCATCAAACTGCTGCTTAAAGGGTGAATTTTAACTACCTGCACTTCCCA	1440
DB	1381	TACCGATCATCAATATGATGCTTAAAGGGTGAATTTTAACTACCTGCACTTCCCA	1440
QY	1441	CCAGTATTTTCAATTTCTGATCATCACTTACTACGCCCCGAAACGAGTATGATCAATTC	1500
DB	1441	AGAGCATTTCAATTTCTGATTTAGTTAGTATCATACTCCGAAAGCAGTGGCATCCAGTTC	1500
QY	1501	CTAAAGGATTCGAGATCTGTCACTCAATCATGAAGATCTCTAAAGCAACACACACA	1560
DB	1501	CTAAAGGATTCGAGATTCGATCACTCAATCATGAAGATCTCTAAAGCTTAAGCCACA	1560
QY	1561	GGAATGGGTGCCATCTATGCCATGGCCAGGCAACCTTGAAGAGATATGTTGAGAGAA	1620
DB	1561	GGAATGGGTGCCATCTATGCCATGGCCAGGCAACCTTGAAGAGATGTTGAGAGAA	1620

1621 TTGTCCTCAGTCTTCTGGACAGCTTGACACCGACAGCTGTACCCAGGCGCCAG 1680
1621 ATATCTCTCGCTCTCTGGACTGCCTTATACGACCGCCCGTGACTCAGGCGCAACCAG 1680
1681 ATGAATGGTCTCCAAACCCCACTGA 1707
1681 ATGAACGGTTCTCCAAAGCCCGCTGA 1707

RESULT 6
US-09-849-180-1
Sequence 1, Application US/09849180
Patent No. 6495359
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
Zhou, Jianhui
TITLE OF INVENTION: SHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,180
FILING DATE: 04-May-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Pepe, Jeffrey C.
REGISTRATION NUMBER: 46,985
REFERENCE/DOCKET NUMBER: 200116,402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1707 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1704
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-849-180-1

Query Match 74.9%; Score 1278.2; DB 4; Length 1707;
Best Local Similarity 84.3%; Pred. No. 0;
Matches 1439; Conservative 0; Mismatches 268; Indels 0; Gaps 0;

QY 1 ATGCGTAGCAGACCTCTGATGTTGAAGCCCTTTGAGCCCTTACTTAGAGATTTCGAA 60
DB 1 ATGCGCGGAACCGACCTCTCAAGCTGAAGGACTTCGAGCCTTATTTGGAGATTTCGAA 60
QY 61 GTATATCCCAAAAAGCCAAAGAAATTATGTAATGGACATTGCAACCAAGATGAGCCCTGG 120
DB 61 TCTTATTCCAAAAGCCAAAGAAATTATGTAATGGATATGCAACCAATATGAGCCCTGG 120
QY 121 CAGCTAATTGCAATGAGTGTCTGTGGACCTGCTGATAGCTGGGATATGAGTTGTC 180
DB 121 CAGCTCAATTGGGTGAGTGTCTGTGTACTCTGCTGATAGTCTGGGTGATGAGCTTATC 180
QY 181 TTCCAGCCAGAGAGTTTATGGTTCAGGTTTAAAGAAATGTTTTAGCTCACCAGGAAG 240

DB 181 TTCCAGCCAGAGAGTTTATGGTTCGTTTTAAAAAAATTTATTTAAGCTTATCAGGAAG 240
QY 241 ATGCCCAATTATTGGTCTGAAGATTCAAGACAAGTTGAAACAAGACCAAGGATGATATTAGC 300
DB 241 ATGCCAATTATTGGACGTAAAGATCGAACAACAGGTGAGCAAAAGCCCAAGAGGATCTTGTG 300
QY 301 AAGAACATGTCTCTGAAAGTGGACAAAGAGTATGTGAAGCTTTACCTCCAGGGT 360
DB 301 AAGAACATGCCATTCTTAAAGGTGGCAAGGATTATGGAACCTCTGCTGCTCAGGGT 360
QY 361 CTGAGCTCATCTGCTGTTTTTGGAGAACTTAAAGGAGTACAGCTCTATGAGCCCTTCTGG 420
DB 361 ATGGGCACAGCTGAGGTTCTGGAGAGACTCAAGGAGTACAGCTCCATGGATGGTTCTCTGG 420
QY 421 CAAGAGGGGAGACCTCTCGAAGACAGTGTACAGTGGGAGGAGAGCTCACTGAGCTCTT 480
DB 421 CAAGAGGGGAAAGCCCTCAGAGAGCTGTACAATGGGGAACCGAAGCTCAGGAGCTGTG 480
QY 481 GTGAAGCTTTATGGAGATTTCATCGAGTAACCCCTGCATCCAGATATCTTCCCAGGA 540
DB 481 GTGCAGCTTTATGGAGATTTCAGTGGAGCAATCCATCGATCCAGATATCTTCCCTGGA 540
QY 541 CTAGCAGATAGAGCAGAAATTGTGAGATAGCTTGTTCCTGTTCAATGGGAGCA 600
DB 541 TTGCGGAAGTTAGAGCAGAAATCGTTAGGATGACTTGTTCCTCTTCAATGGGAGCA 600
QY 601 GATTCGTGTGATGTGACTTCTGGGGAACAGAAAGCATATCTATGCGCTGCAAGCA 660
DB 601 GATTCCTGTGATGTGACTTCTGGGGAACAGAAAGCATCTGATGCGCTGCAAGCT 660
QY 661 TGTGGGATCTGGCCTTTGAGAGGGGATCAAACTCCAGAAATTGTGGCTCCCAAGT 720
DB 661 TACCGGACTTGGCGTTAGAGAGGGGATCAAACTCCAGAAATTGTGGCTCCCGAGT 720
QY 721 GCCCATGCTGCATTTAACAAGCAGCCAGTTACTTTGGGATGAAGATTGTGGGGTCCCA 780
DB 721 GCCCATGCTGCATTCGACAAGCAGCTCATTTTGGGATGAAGATTGTCCGAGTTGCA 780
QY 781 TTGACGAAGATGATGAGGTGGATGTGAGGGCAATGAGAAGACTATCTCCAGGAACACT 840
DB 781 CTGAAAAAGAAACATGAGGTGGATGTGACAGCAATGAAGAGAGCCATCTCCAGGAACA 840
QY 841 GCGATGCTGCTGTTCTACCCACAGTTTCTCATGGTGTATAGATCTCTGTCCTCGAA 900
DB 841 GCTATGCTGCTGTTCTACCCACAGTTTCTCATGGTGTATGATCTCTGTCCTCCGAA 900
QY 901 GTGGCCAAAGCTGGCTGTCAAAATACAAATACCCCTTCATGTCCAGCCTTGTCTGGAGGC 960
DB 901 GTGGCCAAAGTTAACTGTCAAGATATAAATCCCACTCATGTGATGCTGTCTGGGGGCG 960
QY 961 TTCCTCATGCTTTATGGAGAAAGAGGATACCCACTGGAGCACCCTTTGATTTCCGG 1020
DB 961 TTCCTCATTTCTTATGGAGAAAGCAGGATACCCACTGGAGAAACCAATTTGATTTCCGG 1020
QY 1021 GTGAAGGTGTAACAGCATTTCAGCTGCACACCCATAAGTATGGCTATGCCCAAAAGGC 1080
DB 1021 GTGAAGGTGTGACAGCAATTCAGCAGATACATCAAGTATGGCTATGCTCTAAAGGT 1080
QY 1081 TCATCATTTGGTGTATAGTGAAGAAGTACAGGAACATCAGTTCTTCGTCTGATACA 1140
DB 1081 TCATCAGTGTGTATGATCTCTAACGAGAAGTACAGGACGTACCAGTTCTTTTGTGGTGA 1140
QY 1141 GATTTGGCAGGTTGGCATCTATGCTTCCCAACCATCCAGGCTCACGGCTGTGGCAAT 1200
DB 1141 GACTGGCAGGTTGGTGTCTACGCACTCCAGCATAGCTGGCTCACGGCTGTGGCATC 1200
QY 1201 AGCGCAGCCTGTGGGTGCTTGAACACTTCGGTGAAGAACGGCTATGTTGAAGTACC 1260
DB 1201 ATTGAGCCTGTGGGCGGCTTGCATGCACTTCGGTGAAGAACGGCTATGTTGAAGTACC 1260
QY 1261 AAACAGATCATCAAAACTGCTCGCTTCTCAGTCAGAACTGGAAATATCAAAAGGCATC 1320

Db 1261 AACACAGATCATCAAAACCTGCTCGCTTCTCTGAAGTCAGAACTGGAAACATCAAAAACATC 1320
QY 1321 TTGTTTTTGGGAATCCCAATTCGCTCACTCATCTGCTGGGATCCCGTGATTTTGACATC 1380
Db 1321 TTCATTTTCGTGATCCTCAATTCGCTAGTTATTGCTCTGGGATCCCAAGGATTTGACATT 1380
QY 1381 TACCAGCTATCAAACTGATGACTGCTAAGGGGTGGAACTTGAACCAAGTTGCAAGTTCCCA 1440
Db 1381 TACCAGCTATCAATATGATGCTGCTAAGGGGTGGAAATTTAACTACCTGCAAGTTCCCA 1440
QY 1441 CCCAGTATTCATTTCTGCTATCACAATTACTACACCCCGGAAAGAGTAGCTATACAAATTC 1500
Db 1441 AGAAGCATTCATTTCTGCTATTCAGTTAGTACATCTCGAAGCGAGTGGGATCCAGTTTC 1500
QY 1501 CTAAGGACATTCGAGAAATCTGCTCACTCAATCATGAAGAACTCTAAGACGAGACACACA 1560
Db 1501 CTAAGGATATCCGGGAATCATGTCACACAAATCATGAAGAACTCTAAGACGAGACACACA 1560
QY 1561 GGAATGGGTGCCATCTATGCCATGGCCGACAGCAACTGTTGACAGGAATATGGTTGCAGAA 1620
Db 1561 GGAATGGGTGCCATCTATGGCATGGCCGACAGCAACTGTTGACAGGAATATGGTTGCAGAA 1620
QY 1621 TTGCTCTCAGTCTTCTTGACAGCTTGTACAGCCGACACTGTCAACCCAGGAGCCAG 1680
Db 1621 ATATCCTCGTCTTCTTGAGCTGCCCTTTATATACGACCCCGTGACTCAGGGAACCCAG 1680
QY 1681 ATGAATGGTTCTCCAAACCCCACTGA 1707
Db 1681 ATGAACGGTTCTCCAAAGCCCGCTGA 1707

RESULT 7

US-09-356-643B-5
; Sequence 5, Application US/09356643B
; Patent No. 6589666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPRINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356,643B
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1707
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1707)
US-09-356-643B-5

Query Match 74.9%; Score 1278.2; DB 4; Length 1707;
Best Local Similarity 84.3%; Pred. No. 0;
Matches 143; Conservative 0; Mismatches 268; Indels 0; Gaps 0;
QY 1 ATGCCTAGCAGACACCTTCTGATGTTGAAGGCTTGGACCCCTACTTAGAGATTTTGAA 60
Db 1 ATGCCCGGAACCGACCTCTCAAGCTGAAGGACTTCGAGCCCTATTGAGATTTTGAA 60
QY 61 GTATACCTCCAAAGCCAGATTTATGAAATGGACATTCACCAAGTATGAGCCCTGG 120
Db 61 TCTTATTCCAAAGCCAGATTTATGAAATGGATTTGCAATATGCAATATGAGCCCTGG 120
QY 121 CAGCTAATTCATGAGTGTGCTGTGGACCCCTGCTGATAGTCTGGGGATATGAGTTGTC 180
Db 121 CAGCTCATTCGGTGGAGTGTCTGCTGTACTGCTGATAGTCTGGGTGTATGAGCTTATC 180
QY 181 TTCAGCCAGAGAGTTATGCTCAAGGTTTAAAGAAATGTTTAACTCACCAGGAAG 240
Db 181 TTCAGCCAGAGAGTTTATGCTCTCGGTTTAAAGAAATTTTAAAGCTTATCAGGAAG 240

QY 241 ATGCCCATTTATGCTGTAAGATTCAAGACAAGTTGAACAAGACCAAGGATGATATTAGC 300
Db 241 ATGCCCATTTATGCTGTAAGATTCAAGACAAGTTGAACAAGGATGATATTAGC 300
QY 301 AAGAAACATGTCTATCTCTGAAAGTGAACAAGAGTATGTGAAAGCTTTACCCCTCCAGGGT 360
Db 301 AAGAAACATGCTATCTCTGAAAGTGAACAAGAGTATGTGAAAGCTTTACCCCTCCAGGGT 360
QY 361 CTGAGCTCATCTGCTGTTTGGGAGAACTTAAGGAGTACAGCTCTATGGACCCCTTCTGG 420
Db 361 ATGGGCAACAGCTGAGTTCTGGAGAGACTCAAGAGTACAGCTCTATGGATGTTCTCTGG 420
QY 421 CAAGAGGGGAGAGCTCTGGAAACAGTGTACAGTGGGGAGGAGAAGCTCACTGAGCTCCT 480
Db 421 CAAGAGGGGAAAGCTCTCAGAGCTGTGTACATGGGGAACCGAAGCTCAGGAGTGTGTG 480
QY 481 GTGAGGCTTATGAGAGATTTTGCATGAGAGTAAACCCCTGCATCCAGATATCTTCCAGCA 540
Db 481 GTGAGGCTTATGAGAGATTTTGCATGAGAGTAAACCCCTGCATCCAGATATCTTCCCTGA 540
QY 541 CTACGCAAGATAGAGGCGAGAAATTTGTGAGGATAGCTTTGTTCCCTGTTCAATGGGGACCA 600
Db 541 TTGGGAGTTTAGAGGCGAGAAATCGTTAGAGTACCTTTGTTCCCTCTTCAATGGGGACCA 600
QY 601 GATTCTGTGATGTGATCTTCTGGGGGAAACAGAAAGCATATCTCATGSCCTCCAGAGCA 660
Db 601 GATTCTGTGATGTGATCTTCTGGGGGAAACAGAAAGCATATCTCATGSCCTCCAGAGCT 660
QY 661 TGTGGGATCTGGCTTTTGAAGGGGATCAAACTCCAGAAATTTGGCTCCCCAAAGT 720
Db 661 TACCGGGACTTTGGCTTTAGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCGAGAT 720
QY 721 GCCCATGCTCAATTTAAACAAAGCAGCTTACTTTGGGATGAAGATTGTGCGGGTCCCA 780
Db 721 GCCCATGCTCAATTTAAACAAAGCAGCTTACTTTGGGATGAAGATTGTGCGGGTCCCA 780
QY 781 TTGACGAGATGATGAGGTTGGATGTCAGGGCAATGAGAGGCTATCTCCAGAAACACT 840
Db 781 CTGAAAAAGACATGGAGGTTGGATGTCAGGGCAATGAGAGGCTATCTCCAGAAACACT 840
QY 841 GCATGCTGCTCTGTTCTTACCCCAAGTCTTCTCATGTTGTTAATAGATCTCTCCCTGAA 900
Db 841 GCTATGCTGCTCTGTTCTTACCCCAAGTCTTCTCATGTTGTTAATAGATCTCTCCCTGAA 900
QY 901 GTGGCCAGCTGGCTGTCAAAATACAAATACCCCTTTCATGTCAGCGCTTCTCTGGGAGGC 960
Db 901 GTGGCCAGCTGTTAACTGTCAAGATATAAAATCCCACTCCATGTTGATGCTTCTGGGGGC 960
QY 961 TTCTCTCATGCTCTTTATGGAGAAAGCAGGATACCCACTGGAGCACCCATTTGATTTCCGG 1020
Db 961 TTCTCTCATGCTCTTTATGGAGAAAGCAGGATACCCACTGGAGAAACCCATTTGATTTCCGG 1020
QY 1021 GTGAAAGGTGTAACAGCATTTTACGTCGACCCCATTAAGTATGCTATGCCCAAGGC 1080
Db 1021 GTGAAAGGTGTGACAGCATTTTACGTCGACCATTAAGTATGCTATGCTCTTAAGGT 1080
QY 1081 TCATCATTTGCTGTTCTATAGTGAACAAGTACAGGAACCTATCAGTTCTTCTGTCGATACA 1140
Db 1081 TCATCATTTGCTGTTCTATAGTGAACAAGTACAGGAACCTATCAGTTCTTCTGTCGATACA 1140
QY 1141 GATTGGCAGGGTGGCATCTATGCTTCCCAACCATCGAGCTCACGGCTTGGTGGCAT 1200
Db 1141 GATTGGCAGGGTGGTGTCTACGCATCTCCAAGCATAGCTGGCTCACGGCTTGGTGGCAT 1200
QY 1201 AGCGCAGCTGTTGGGCTGCTTGTATGACCTTCGGTGAGAACGGCTATGTTGAAGCTACC 1260
Db 1201 ATTGAGCTGTTGGGCGGCTTGTATGACCTTCGGTGAGAACGGCTATGTTGAAGCTACC 1260
QY 1261 AAACAGATCATCAAACTGCTGCTTCTCAAGTCAGAACTGGAAATATCAAGGCTATC 1320
Db 1261 AAACAGATCATCAAACTGCTGCTTCTCAAGTCAGAACTGGAAATATCAAGGCTATC 1320

1321 TTGTTTTGGGAATCCCAATTTGTCATCTGCGATCCGTTGATTTGACATC 1380
1321 TTCAATTCGGTGATCTCAATTTGTCATTTGCTCTGGATCCAAAGATTTGACAT 1380
1381 TACGACTATCAAACTGATGATCTGTAAGGGGTGGAATTTGAAACAGTTGAGTTCCCA 1440
1381 TACGACTATCAATATGATGCTGCTAAGGGGTGGAATTTTAACTACCTGAGTTCCCA 1440
1441 CCCAGTATTCATTTCTGCATCACATTAACACGCGCCGGAACGAGTAGCTATACAATTC 1500
1441 AGAAGCAATTCATTTCTGCATTAAGTTAGTACATCTCGAAGGGAGTGGCATCAGTTTC 1500
1501 CTAAGGACATTCGAGAAATCTGTCATCTCAATCATGAAGATCTTAAGCGAAGCCACA 1560
1501 CTAAGGATATCCGGGAATCAGTCACACAATCATGAAGAACTCTAAAGCTAAGACCACA 1560
1561 GGAATGGTGCCATCTATGCCATGCGCCGACCAACACTGTTGACAGGAATATGTTGAGAA 1620
1561 GGAATGGTGCCATCTATGGCATGGCCGACCAACCAATTAACAGGAAGTGGTTGAGNA 1620
1621 TTGTCCTCAGTCTTCTTGGACAGCTTGTACAGACCCGACACTGTCTACCCAGGCGACAG 1680
1621 ATATCTCCGCTCTCTTGGACTGCTTTTACTACGAGCCCGTGACTCAGGCGAACCCAG 1680
1681 ATGAATGGTCTCCAAACCCCACTGA 1707
1681 ATGAACGGTCTCTCCAAAGCCCGCTGA 1707

RESULT 8
US-08-939-309-9
Sequence 9, Application US/08939309
Patent No. 6423527
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
APPLICANT: Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
TITLE OF INVENTION: METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED AND BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,309
FILING DATE: 29-SEP-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: David, Maki J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1467 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1464
US-08-939-309-9

Query Match 71.3%; Score 1217; DB 4; Length 1467;
Best Local Similarity 85.9%; Pred. No. 0;
Matches 1467; Conservative 0; Mismatches 0; Indels 240; Gaps 1;
QY 1 ATCCCTAGCACAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTTTGAA 60
DB 1 ATCCCTAGCACAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGAGATTTTGAA 60
QY 61 GTATATCTCCACAAAAGCCCAAGATTTATGTAATGACATTTGCACCAAGTATGAGCCCTGG 120
DB 61 GTATATCTCCACAAAAGCCCAAGATTTATGTAATGACATTTGCACCAAGTATGAGCCCTGG 120
QY 121 CAGCTAATTTGATGAGTGTCTGTGTGAGACCTCTGTGATGATCTGCGGATATGAGTTTTC 180
DB 121 CAGCTAATTTGATGAGTGTCTGTGTGAGACCTCTGTGATGATCTGCGGATATGAGTTTTC 180
QY 181 TTCAGCCAGAGAGTTTATGTTCAAGGTTTAAAAAGAAATGTTTAAAGCTCACCAAGGAG 240
DB 181 TTCAGCCAGAGAGTTTATGTTCAAGGTTTAAAAAGAAATGTTTAAAGCTCACCAAGGAG 240
QY 241 ATGCCCATATTTGGTCTGAAGATTTCAAGACAAAGTTGAACCAAGCAACCAAGATATATAGC 300
DB 241 ATGCCCATATTTGGTCTGAAGATTTCAAGACAAAGTTGAACCAAGCAACCAAGATATATAGC 300
QY 301 AAGACATGTCATTTCTGAAAGTGGACAAAGAGTATGTGAAAGCTTTACCCCTCCAGGGT 360
DB 301 AAGACATGTCATTTCTGAAAGTGGACAAAGAGTATGTGAAAGCTTTACCCCTCCAGGGT 360
QY 361 CTGAGCTCATCTCTGTTTGGAGAAATTTAAGGAGTACAGCTCTATGAGACCCCTTCTGG 420
DB 361 CTGAGCTCATCTCTGTTTGGAGAAATTTAAGGAGTACAGCTCTATGAGACCCCTTCTGG 420
QY 421 CAAGAGGGAGAGCCCTCTGGACAGTGTACAGTGGGAGGAGAGTCACTCAGTCTCCTT 480
DB 421 CAAGAGGGAGAGCCCTCTGGACAGTGTACAGTGGGAGGAGAGTCACTCAGTCTCCTT 480
QY 481 GTGAAGCTTTATGAGATTTTGCATGAGATAACCCCTGATCCAGATATCTTCCAGGA 540
DB 481 GTGAAGCTTTATGAGATTTTGCATGAGATAACCCCTGATCCAGATATCTTCCAGGA 540
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QY 601 GATTCGTGCTGATGTGTGACTTCTGGGGGAAACAGAAAGCATATCTATGCGCTGCAAGCA 660
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DB 661 TGTGGGATCTGGCTTTGAGAAAGGGATCAAAATCTCAGAAATTTGTGGCTCCCAAGT 720
QY 721 GCCCATGCTCATTTAAACAAAGCAGCCAGTTTCTTTGGGATGAAGATTTGTGGGGTCCCA 780
DB 721 GCCCATGCTCATTTAAACAAAGCAGCCAGTTTCTTTGGGATGAAGATTTGTGGGGTCCCA 780
QY 781 TTGACGAAGATGATGAGAGTGGATGTGAGGGCAATGAGAAAGCTATCTTCCAGGAACACT 840
DB 781 TTGACGAAGATGATGAGAGTGGATGTGAGGGCAATGAGAAAGCTATCTTCCAGGAACACT 840
QY 841 GCCATGCTCTGCTGTTCTACCCACAGTTTCTTCATGTTGATAGATCTCTGCTCCCTGAA 900
DB 841 GCCATGCTCTGCTGTTCTACCCACAGTTTCTTCATGTTGATAGATCTCTGCTCCCTGAA 900
QY 901 GTGGCCCAAGCTGGCTGTCAAAATACAAAATACCCCTTTCATGTGAGCGTTGTCTGGAGGC 960
DB 901 GTGGCCCAAGCTGGCTGTCAAAATACAAAATACCCCTTTCATGTGAGCGTTGTCTGGAGGC 960
QY 961 TTCCTCATCTGCTTTATGAGAAAGAGGAGTACCCCTGAGCAGCCCATTTGATTTCCGG 1020
DB 961 TTCCTCATCTGCTTTATGAGAAAGAGGAGTACCCCTGAGCAGCCCATTTGATTTCCGG 1020

1021 GTGAAGGTGTAACAGCATTTTCAGCTGACACCCCATAGTATGCTATGCCCCCAAGGC 1080
1021 GTGAAGGTGTAACAGCATTTTCAGCTGACACCCCATAGTATGCTATGCCCCCAAGGC 1059
1081 TCATCATTTGGTGTGTATGATGACAGAAAGTACAGGAACATATCAGTCTTCGTCGTGATACA 1140
1060 ----- 1059
1141 GATTGCGAGGTGGCATCTATGCTTCCCAACCATCGCAGGCTCACGGCTCGTGGCAT 1200
1060 ----- 1059
1201 AGCGAGCGCTGTTGGCTGCGCTGTGATGACATTCGGTGAGAACGGCTATGTTGAAGCTACC 1260
1060 ----- 1059
1261 AACAGATCATCAAACTGCTGCTTCTCAAGTCAGAACTGGAAATATCAAGGCATC 1320
1060 ----- 1080
1321 TTTGTTTTGGGAATCCCCAATTTGTCATCATTTGCTCTGGGATCCCGTGTATTTGACATC 1380
1081 TTTGTTTTGGGAATCCCCAATTTGTCATCATTTGCTCTGGGATCCCGTGTATTTGACATC 1140
1381 TACCGACTATCAAACTGATGACTCTAAGGGGTGGAATTTGAACCAAGTTGCACTTCCCA 1440
1141 TACCGACTATCAAACTGATGACTCTAAGGGGTGGAATTTGAACCAAGTTGCACTTCCCA 1200
1441 CCAGTATTTCATTTCTGTCATCATTAATACACGCCCGGAAACAGTAGTATATCAATTC 1500
1201 CCCAGTATTTCATTTCTGTCATCATTAATACACGCCCGGAAACAGTAGTATATCAATTC 1260
1501 CTAAAGGATATCGAGAACTCTGCTCAATCATATGAGAACTCCCTAAAGCGAAGACACACA 1560
1261 CTAAAGGATATCGAGAACTCTGCTCAATCATATGAGAACTCCCTAAAGCGAAGACACACA 1320
1561 GGAATGGGTGCCATCTATGCCATGCGCCAGACAACTGTTGACAGGAATATGTTGTCAGAA 1620
1321 GGAATGGGTGCCATCTATGCCATGCGCCAGACAACTGTTGACAGGAATATGTTGTCAGAA 1380
1621 TTGTCCTCAGTCTTTGACAGCTTTGACAGCAGCAGTGTACACCGGACACTGTACCCAGGAGCAG 1680
1381 TTGTCCTCAGTCTTTGACAGCTTTGACAGCAGCAGTGTACACCGGACACTGTACCCAGGAGCAG 1440
1681 ATGAATGGTTCCTCAAAACCCCACTGA 1707
1441 ATGAATGGTTCCTCAAAACCCCACTGA 1467

RESULT 9
US-09-849-180-9
; Sequence 9, Application US/09849180
; Patent No. 6495359
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
; POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
; METHODS OF USE THEREFOR
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98055
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/849,180
FILING DATE: 04-May-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Pepe Jeffrey C.
REGISTRATION NUMBER: 46,985
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1467 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1464
SEQUENCE DESCRIPTION: SEQ ID NO: 9:
US-09-849-180-9
Query Match 71.3%; Score 1217; DB 4; Length 1467;
Best Local Similarity 85.9%; Pred. No. 0;
Matches 1467; Conservative 0; Mismatches 0; Indels 240; Gaps 1;
QY 1 ATGCTACGACAGACCTTCTGATGTTGAGGCGCTTTGAGCCCTACTTAGAGATTTTGGAA 60
Db 1 ATGCTACGACAGACCTTCTGATGTTGAGGCGCTTTGAGCCCTACTTAGAGATTTTGGAA 60
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Db 61 GTATACTCCACAAAGCCAGAAATATGTAATGGACATTTGCACCAAGATGAGCCCTGG 120
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Db 121 CAGCTAATGTCATGGAGTCTGCTGGACCTGCTGATAGTCTGGGGATATGATTTTGC 180
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Db 181 TTCCAGCCAGAGAGTTTATGCTCAAGGTTTAAAGAAATGTTTAAAGCTCACAGGAAG 240
QY 241 ATGCCCATATTTGCTGCTTAAAGTTCAAGACAGTTGAACCAAGACCAAGGATGATATAGC 300
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QY 301 AAGAACATGTCATTTCTGAAAGTGGACAAAGAGTATGTGAAAGCTTTACCTCCAGGGT 360
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Db 361 CTGAGCTCATCTGCTGTTTTCGAGAACTTAAAGAGTACAGCTCTATGGAGCGCTTCGG 420
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QY 481 GTGAAGCTTATGAGATTTTGCATGGAGTAAACCCCTGATCCAGATATCTTCCAGGA 540
Db 481 GTGAAGCTTATGAGATTTTGCATGGAGTAAACCCCTGATCCAGATATCTTCCAGGA 540
QY 541 CTACGCAAGATAGAGCAGAAATTTGATGAGGATAGTCTTCCCTGTTCAATGGGGACCA 600
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Db 601 GATTGCTGAGATGTCATTTCTGGGGAAACAGAAAGCATACTCATGGCTGCAAGGA 660
QY 661 TGTCCGGATCTGCGCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTTCCCAAGT 720
Db 661 TGTCCGGATCTGCGCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTTCCCAAGT 720

721 GCCCATGCTGCTCATTTAAACAAGCAGCCAGTACTTTGGGATCAAGATTTGGGGTCCCA 780
721 GCCCATGCTGCTCATTTAAACAAGCAGCCAGTACTTTGGGATCAAGATTTGGGGTCCCA 780
781 TTGACGAGATGATGAGGTGATGTGAGGCAATGAGAGCTATCTCCAGGAACACT 840
781 TTGACGAGATGATGAGGTGATGTGAGGCAATGAGAGCTATCTCCAGGAACACT 840
841 GCATGCTGCTGCTTTATCCCAACAGTTTCTCATGTGTAATAGATCTGTCCTGAA 900
841 GCATGCTGCTGCTTTATCCCAACAGTTTCTCATGTGTAATAGATCTGTCCTGAA 900
901 GTGGCAAGCTGCTGCTCAAAATCAAAATACCCCTTCATGTCGACGCTGTGTCGAGGC 960
901 GTGGCAAGCTGCTGCTCAAAATCAAAATACCCCTTCATGTCGACGCTGTGTCGAGGC 960
961 TTCTCATGCTGCTTTATGAGAAAGCAGATACCCACTGAGAGCCCACTTTGATTTCCGG 1020
961 TTCTCATGCTGCTTTATGAGAAAGCAGATACCCACTGAGAGCCCACTTTGATTTCCGG 1020
1021 GTGAAGGTGTAACAGCTATTCAGCTGACACCCATAGATGCGTATGCCCAAGGC 1080
1021 GTGAAGGTGTAACAGCTATTCAGCTGACACCCATAGATGCGTATGCCCAAGGC 1080
1081 TCATCATGCTGCTGCTATGATGACAAAGTACAGGAACATATCAGTTCTTCGTGATACA 1140
1060 ----- 1059
1141 GATTGGCAGGCTGCTATGCTTCCCAACCATCGCAGGCTCAAGGCTGTGTCGCAAT 1200
1060 ----- 1059
1201 AGCGCAGCCTGTTGGGCTGCTGATGCACTTCGCTGAGAACGGCTATGTTGAAGCTACC 1260
1060 ----- 1059
1261 AAACAGATCATCAAAACTGCTGCTTCTCAAGTCAGAACTGGAATATCAAGGCATC 1320
1060 -----CTGGAATATCAAGGCATC 1080
1321 TTTGTTTTGGGAATCCCAATGTCACATTCATGCTCTGGGATCCCGTATTTGACATC 1380
1081 TTTGTTTTGGGAATCCCAATGTCACATTCATGCTCTGGGATCCCGTATTTGACATC 1140
1381 TACCGACTATCAAACTGATGATGCTGTAAGGGTGGAACTTTGAACCGATGTCAGTTCCCA 1440
1141 TACCGACTATCAAACTGATGATGCTGTAAGGGTGGAACTTTGAACCGATGTCAGTTCCCA 1200
1441 CCAGATATTCATTTCTGCACTACATTCATACACGCGCCGGAACAGTAGCTATACAAATC 1500
1201 CCAGATATTCATTTCTGCACTACATTCATACACGCGCCGGAACAGTAGCTATACAAATC 1260
1501 CTAAGGACATTCGAGAACTCTCTCACTCAATCATGAAGATCTTAAGCGAAGACCA 1560
1261 CTAAGGACATTCGAGAACTCTCTCACTCAATCATGAAGATCTTAAGCGAAGACCA 1320
1561 GGAATGGGTGCCATCTATGCCATGCGCAGCAACTGTTGACAGGAATATGTTGAGAA 1620
1321 GGAATGGGTGCCATCTATGCCATGCGCAGCAACTGTTGACAGGAATATGTTGAGAA 1380
1621 TTGTCTCATGCTTTCTTGACAGCTTTGACAGCCGACACTGTCACCCAGGGCAGCAG 1680
1381 TTGTCTCATGCTTTCTTGACAGCTTTGACAGCCGACACTGTCACCCAGGGCAGCAG 1440
1681 ATGAATGGTTCTCAAAACCCCACTGA 1707
1441 ATGAATGGTTCTCAAAACCCCACTGA 1467

RESULT 10

US-09-356-643B-9

; Sequence 9, Application US/09356643B

Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356,643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1467
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1467)
US-09-356-643B-9

Query Match 71.3%; Score 1217; DB 4; Length 1467;
Best Local Similarity 85.9%; Pred. No. 0;
Matches 1467; Conservative 0; Mismatches 0; Indels 240; Gaps 1;

QY 1 ATGCTAGCACAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGATTTGAA 60
DB 1 ATGCTAGCACAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGATTTGAA 60
QY 61 GTATACTCCCAAAAGCCAAAGATTAATGTAATGACATTTGCCCAAGATATGAGCCCTGG 120
DB 61 GTATACTCCCAAAAGCCAAAGATTAATGTAATGACATTTGCCCAAGATATGAGCCCTGG 120
QY 121 CAGTAATTCATGAGAGTGTGCTGAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGATTTGTC 180
DB 121 CAGTAATTCATGAGAGTGTGCTGAGACCTTCTGATGTTGAAGGCTTTGAGCCCTACTTAGATTTGTC 180
QY 181 TTCAGCCAGAGAGTGTATGCTCAAGTTTAAAAAGAAATGTTTAAAGCTCACCAGGAAG 240
DB 181 TTCAGCCAGAGAGTGTATGCTCAAGTTTAAAAAGAAATGTTTAAAGCTCACCAGGAAG 240
QY 241 ATGCCCATTAATGCTGTAAGATTCAGAACAAAGTTGAACAGACCAAGGATGATATTAGC 300
DB 241 ATGCCCATTAATGCTGTAAGATTCAGAACAAAGTTGAACAGACCAAGGATGATATTAGC 300
QY 301 AAGAAATGTCATCTCTGTTTGGAGAACTTAAAGAGTATGTGAAGCTTTACCCCTCCAGGGT 360
DB 301 AAGAAATGTCATCTCTGTTTGGAGAACTTAAAGAGTATGTGAAGCTTTACCCCTCCAGGGT 360
QY 361 CTGAGCTCATCTCTGTTTGGAGAACTTAAAGAGTATGTGAAGCTTTACCCCTCCAGGGT 420
DB 361 CTGAGCTCATCTCTGTTTGGAGAACTTAAAGAGTATGTGAAGCTTTACCCCTCCAGGGT 420
QY 421 CAAGAGGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCAGTGAAGCTCTT 480
DB 421 CAAGAGGGAGAGCCCTCTGGAACAGTGTACAGTGGGAGGAGAGCTCAGTGAAGCTCTT 480
QY 481 GTGAAGCTTTATGAGATTTTGCATGGATACCCCTTCCAGATATCTTCCAGGA 540
DB 481 GTGAAGCTTTATGAGATTTTGCATGGATACCCCTTCCAGATATCTTCCAGGA 540
QY 541 CTACGCAAGATAGAGGCAAAATTTGAGGATAGCTTGTTCCTGTTCAATGGGGGACCA 600
DB 541 CTACGCAAGATAGAGGCAAAATTTGAGGATAGCTTGTTCCTGTTCAATGGGGGACCA 600
QY 601 GATTCTGTGATGCTGTGACTTCTGGGGGACAGAAAGCATCTATGCGCTTCCAGGA 660
DB 601 GATTCTGTGATGCTGTGACTTCTGGGGGACAGAAAGCATCTATGCGCTTCCAGGA 660
QY 661 TGTGCGGATCTGGCCCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCCAAAGT 720
DB 661 TGTGCGGATCTGGCCCTTTGAGAGGGGATCAAACTCCAGAAATTTGGCTCCCCAAAGT 720
QY 721 GCCCATGCTGCTCATTTAAACAAGCAGCCAGTACTTTGGGATGAAGATTTGCGGGTCCCA 780

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,309
FILING DATE: 29-SEP-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: David, Maki J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1770 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1767
JS-08-939-309-7

Query Match 15.0%; Score 256.2; DB 4; Length 1770;
Best Local Similarity 55.0%; Pred. No. 1.9e-72;
Matches 592; Conservative 0; Mismatches 473; Indels 12; Gaps 4;

QY 413 CTTCTGCGAGGGGAGACCTCTGGACAGTGTACAGTGGGGAGGAGAACTCACIG 472
DB 485 CCCAATGGAAGGAAGGAGCTCTGGTCCGTTTACCGGTGGTGATGATTTGATCC 544
QY 473 AGCTCCTGTGAAGGCTTATGGAGATTTTGCATGGAGTAACCCCTGCATCCAGATATCT 532
DB 545 ACTTACABACANTCCATACGAAATATTTGCGTTGCCATCAATTACATCCCGATGCT 604
QY 533 TCCAGGACTACGGAAGTAGAGGAGAAATTTGAGGATAGCTGTTCCTCTGTTCAATG 592
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DB 785 TTGCTCCCGTAACATGCTGCTGGTTTGACAAAGCTGCTTATTTATTTGGCATGAGC 844
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DB 845 TAGCCACGTGGAGCTAGATCCACGACATATCAAGTGAAGTGGGAAAGTGAAGAAAT 904
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QY 884 TAGATCCTGCTCCTGAAGTGGCCAAAGCTGGCTGTCAATACAAATAACCCCTCATGCTG 943
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DB 1025 ACAGTGTCTAGTTCCTTTATTTGTTTATTATGGAAGAGCTGGTTACAAAAATCTGC 1084
QY 1004 ACCATTTGATTCGGGTGAAGGTGTAACAGCATTTTCAGCTGACACCCATAAGTATG 1063
DB 1085 CATTACTTACCTTAGAGTCCCGGAGTCACTCATATCATGTGACACTCATATAATATG 1144

QY 1064 GCTATGCCCCAAAAGGCTCATCATTTGGTGTGTTATAGTCAACAAGAAAGTACAGGAATATC 1123
DB 1145 GATTTGCACCAAAAGGCTCGTCAGTTATATGATAGAAACAGCGACTTACGAATGCATC 1204
QY 1124 AGTTCTTCGTGATACAGATTGGCAGGTGGCATCTATGCTTCCCAACCATCGCAGCT 1183
DB 1205 AGTATTACGTAATCTCTGCTGGACTGGCGGGTTATATGGCTTCTCTCATTAGCAGGT 1264
QY 1184 CACGGCTGTGGCATTAGCGCAGCCTGTGGGCTGCTTGTATGACATTCGGGTGAGAAAG 1243
DB 1265 CCAGGCTGTGCTATTGCTGAGGTGTTGGCCACTATGCTCAACATGGGTGAAATG 1324
QY 1244 GCTATGTTGAAGTACAAACAGATCATCAAAATCTG---TGCTTCTCAAGTCAGAAC 1300
DB 1325 GGTACATTGAGTCTGTCGAAGAATAAGTCGGTCAGCAATGAAGTTTAAAAATATACATCC 1384
QY 1301 TGGAAATATCAAAAGCATCTTTGTTTTTGGGAATCCCAATTTGTCATCTCATTTGCTGG 1360
DB 1385 AGGAAACATTCAGACCTGAATATTAATGGCAACCTAGATATTCAGTCAITTCATTT 1444
QY 1361 GATCCCGTATTTGACATCTACGACTATCAAACTGATGACTGCTAAGGGTGGAACT 1420
DB 1445 CTTCAAAGACCTTGAACATACAGAACTATCTGACAGGTGTGTCAGAAAGGCTGGCAT 1504
QY 1421 TGRACCAAGTTCAGTTCACCCAGATTCATTTCTGCAATCATCTACTACACGCCC 1477
DB 1505 TCAATGCCCTACAAAGCCGGTGGCTACATACATGGCCTTCAGAGATTGAGCGCTC 1561

RESULT 13
US-09-849-180-7
Sequence 7, Application US/09849180
Patent No. 645359
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98055
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/849,180
FILING DATE: 04-May-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Pepe, Jeffrey C.
REGISTRATION NUMBER: 46,985
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1770 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..1767
SEQUENCE DESCRIPTION: SEQ ID NO: 7;

US-09-849-180-7

Query Match 15.0%; Score 256.2; DB 4; Length 1770;
Best Local Similarity 55.0%; Pred. No. 1.9e-72;
Matches 592; Conservative 0; Mismatches 473; Indels 12; Gaps 4;

QY 413 CTTCTGGCAAGAGGGAGAGCCTCTGGACAGTGTACAGTGGGGAGAGAGTCACTG 472
DB 485 CCATATGGAAGGAAGGAAGGTCTCTGGTGGCGTTTACACGGTGGTGAATGTTGATCC 544
QY 473 AGCTCTTGTGAAGCTTATGAGATTTTGCATGAGTAACCCCTGTCATCCAGATATCT 532
DB 545 ACTTACAAACAATCGCATACGAAAATATGCGTTGCCAATCAATACATCCCATGCT 604
QY 533 TCCAGGACTACGCAAGATAGAGGAGAAATTTGAGGATAGCTTTGTCCTGTTCAATG 592
DB 605 TTCTGCCGTACGTAATAATGGAATCCGAAGTGGTTCTATGGTTTAAAGATGTTAATG 664
QY 593 GGGACCAAGTTCGTGTGATGTG---ACTCTGGGGACAGAGCATATCTATG 649
DB 665 CCCCTTCTGATACAGTGTGGTACCAACATTCAGGTGGTACAGAACTCTTGCTTTAG 724
QY 650 CTTGCAAAAGCATGTGGGATCTGGCTTTTGAGAA---GGGATCAAAACTCCAGAAATG 706
DB 725 CATGTCTGAGCGCTAAATGATGATGCCCTTCATCTCGTGGATCACCGAACCAAGATAA 784
QY 707 TGCTCTCCCAAGTGCCTATGCTGCAATTTAAACAGACGAGCTTCTTGGGATGAAGA 766
DB 785 TTGCTCCCGTAACGTCACATGCTGGGTTTGACAAAGCTGCTTATCTTTGGCATGAAGC 844
QY 767 TTGTGGCGGTC---CAATTGACAGATGATGGAGTGGATGAGGCAATGAGAGAG 823
DB 845 TAGCCACGCTGGAGCTAGATCCACGACATATCAAGTGGACCTGGGAAAGTGAATAAT 904
QY 824 CTATCTCCAGGAACACTGCGCTGCTGTTCTTACCCCACTGTTTCTCATGTTGTA 883
DB 905 TCATCAATGAAGACAAATTTTACTGGTGGTTCGCTCCAAACTTTCTCATGTTATG 964
QY 884 TAGATCTGCTCCCTGAAGTGGCCAGCTGGCTGTGCAATACAAATACAAATACCTTCATGTCG 943
DB 965 CCGATGATATGAAGGATTTGGGTAATAATAGCAAAAAATATAAACTTCTTTACACGTCG 1024
QY 944 ACCCTTGTCTGGAGGCTTCTCATGCTCTTTATGGAGAAAGCAGATACCCACTGGAGC 1003
DB 1025 ACAGTTGTCTAGTTCCTTTATGTTTCAATTTATGGAAAGGCTGGTTACAAATCTGC 1084

QY 1421 TGACACAGTTGCAGTTCCACCCAGTATTCATTTGTGCATCATCTACTACAGCCC 1477
DB 1505 TCAATGCCCTACAAAAGCGGTTGCTCACTACACATGGCTTCAAGAGATTGAGCGCTC 1561

RESULT 14
US-09-356-643B-1
; Sequence 1, Application US/09356643B
; Patent No. 6569666
; GENERAL INFORMATION:
; APPLICANT: Saba, Julie D.
; TITLE OF INVENTION: SHINGOSINE-1-PHOSPHATE LYASE POLYPEPTIDES,
; TITLE OF INVENTION: POLYNUCLEOTIDES AND MODULATING AGENTS AND
; TITLE OF INVENTION: METHODS OF USE THEREFOR
; FILE REFERENCE: 200116.402C1
; CURRENT APPLICATION NUMBER: US/09/356.643B
; CURRENT FILING DATE: 1999-07-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1770
; TYPE: DNA
; ORGANISM: S. cerevisiae
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)....(1770)
US-09-356-643B-1

Query Match 15.0%; Score 256.2; DB 4; Length 1770;
Best Local Similarity 55.0%; Pred. No. 1.9e-72;
Matches 592; Conservative 0; Mismatches 473; Indels 12; Gaps 4;

QY 413 CTTCTGGCAAGAGGGAGAGCCTCTGGACAGTGTACAGTGGGGAGAGAGTCACTG 472
DB 485 CCATATGGAAGGAAGGAAGGTCTCTGGTGGCGTTTACACGGTGGTGAATGTTGATCC 544
QY 473 AGCTCTTGTGAAGCTTATGAGATTTTGCATGAGTAACCCCTGTCATCCAGATATCT 532
DB 545 ACTTACAAACAATCGCATACGAAAATATTCGCTGGCAATCAATACATCCCATGCT 604
QY 533 TCCAGGACTACGCAAGATAGAGGAGAAATTTGAGGATAGCTTTGTCCTGTTCAATG 592
DB 605 TTCTGCCGTACGTAATAATGGAATCCGAAGTGGTTCTATGTTTAAAGATGTTAATG 664
QY 593 GGGACCAAGTTCGTGTGATGTG---ACTCTGGGGACAGAGCATATCTATG 649
DB 665 CCCCTTCTGATACAGTGTGGTACCAACATTCAGGTGGTACAGAACTCTTGCTTTAG 724
QY 650 CTTGCAAAAGCATGTGGGATCTGGCTTTTGAGAA---GGGATCAAAACTCCAGAAATG 706
DB 725 CATGTCTGAGCGCTAAATGATGATGCCCTTCATCTCGTGGATCACCGAACCAAGATAA 784
QY 707 TGCTCTCCCAAGTGCCTATGCTGCAATTTAAACAGACGAGCTTCTTGGGATGAAGA 766
DB 785 TTGCTCCCGTAACGTCACATGCTGGGTTTGACAAAGCTGCTTATCTTTGGCATGAAGC 844
QY 767 TTGTGGCGGTC---CAATTGACAGATGATGGAGTGGATGAGGCAATGAGAGAG 823
DB 845 TAGCCACGCTGGAGCTAGATCCACGACATATCAAGTGGACCTGGGAAAGTGAATAAT 904
QY 824 CTATCTCCAGGAACACTGCGCTGCTGTTCTTACCCCACTGTTTCTCATGTTGTA 883
DB 905 TCATCAATGAAGACAAATTTTACTGGTGGTTCGCTCCAAACTTTCTCATGTTATG 964
QY 884 TAGATCTGCTCCCTGAAGTGGCCAGCTGGCTGTGCAATACAAATACAAATACCTTCATGTCG 943
DB 965 CCGATGATATGAAGGATTTGGGTAATAATAGCAAAAAATATAAACTTCTTTACACGTCG 1024
QY 944 ACCCTTGTCTGGAGGCTTCTCATGCTCTTTATGGAGAAAGCAGATACCCACTGGAGC 1003
DB 1025 ACAGTTGTCTAGTTCCTTTATGTTTCAATTTATGGAAAGGCTGGTTACAAATCTGC 1084

1004 ACCATTTGATTCGCGGTGAAGGTGTAAACAGCATTTACGTGACACCCATAAGTATG 1063
1085 CATTACTTACATTTAGAGTCCGCGGAGTCACCTCAATATCATGTGACACTCATAAATATG 1144
1064 GCTATGCCCAAGAGCTCATCATTTGGTGTGTATAGTGAACAAGTACAGNACTATC 1123
1145 GATTTGCAACAAAGCTCGTCAGTTATTAATGTATAGAAACAGGACTTACGAATGCATC 1204
1124 AGTTCTTGTGATACAGATTGGCAGGCTGTCATCTATGCTTCCCAACCATCGCAGGCT 1183
1205 AGTATTAGTAATCTGCTTGACTGCGGGTTATATGGCTCTCTACATTAGCAGGGT 1264
1184 CACGCGCTGGTGAATAGCAGCAGCTGTTGGTGGCTTGTATGATCATCTGCTGGTGAAGC 1243
1265 CCAGGCGCTGCTATGTCGTAGGTTGTTGGGCACTATGCTCAACATGGGTGAAAATG 1324
1244 GCTATGTTGAAGCTACCAAAACAGATCATCAAAATGCTGCTTCCCTCAAGTCAGAAC 1300
1325 GGTACATTGAGTCGTGCCAAGAAATAGTCGGTGCAGCAATGAAGTTTAAATAATACATCC 1384
1301 TGAATAATCAAGGCAATCTTTGTTTGGGAATCCCAATTTGCTACTCATCTGCTCTGG 1360
1385 AGGAAACATTCAGACCTGTAATATAATGGCAACCTTAGATATTTCAGTCTCATTTT 1444
1361 GATCCCGTGAATTTGACATCTACCACTATCAAACTCATGACTGCTAAGGGTGGAACT 1420
1445 CTTCAAGACCTTGACATACAGCACTATCTGACAGGTTGTCAGAAAGGCTGGCAAT 1504
1421 TGAACAGTTGAGTTCGCCACCACTATTCATTTCTGCATCACAATTACTACAGCCC 1477
1505 TCAATGCCCTACAAAAGCGGTGTCACATACATGGCTTACAGAGATTGAGCGCTC 1561

RESULT 15

US-08-939-309-5
Sequence 5, Application US/08939309
Patent No. 6423527
GENERAL INFORMATION:
APPLICANT: Saba, Julie D.
APPLICANT: Zhou, Jianhui
TITLE OF INVENTION: SPHINGOSINE-1-PHOSPHATE LYASE
TITLE OF INVENTION: POLYPEPTIDES, POLYNUCLEOTIDES AND MODULATING AGENTS AND
TITLE OF INVENTION: METHODS OF USE THEREFOR
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEED and BERRY LLP
STREET: 6300 Columbia Center, 701 Fifth Avenue
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/939,309
FILING DATE: 29-SEP-1997
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: David Maki J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 200116.402
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 622-4900
TELEFAX: (206) 682-6031
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1629 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

FEATURE:
NAME/KEY: CDS
LOCATION: 1..1626
US-08-939-309-5
Query Match 13.2%; Score 225.6; DB 4; Length 1629;
Best Local Similarity 53.0%; Pred. No. 1.6e-62;
Matches 589; Conservative 0; Mismatches 499; Indels 24; Gaps 4;
424 GAGGCGAGAGCTCTGAAACAGTGTACAGTGGGAGG-----AGAAGCTCACTGAGCTC 477
Db GAAGGAGAGTATCTGGAGCAGTCTTCAATAGAGAGACGACAGGACGAACGGAGATG 441
478 CTTGTAAGGCTTATGAGAGATTTTGCATGAGATTAACCCCTGTCATCCAGATATCTCCCA 537
Db TATGAGGAGGTGTTTGGAAATTTTCCCTGACCAACCCACTTTTGGCCAAATTTGTTCCCT 501
538 GCACTTACCAAGATAGAGGACAGAAATTTGTAGGATAGCTTTGTTCCCTGTTCAATGGGGA 597
Db GGATGAGATCATGGAGGCTGAAGTTTTCGCATGTGTTGTAATATGATGATGAGAT 561
598 CCAAGATTCGTGATGTGACTTCTGGGGGACAGAAAGCATCTCATGGCTGCAAA 657
Db TCGGAGACATGTGAACTATGTCACTGGTGGATCCATTTCAATTTCTTTGGCGTCCCTG 621
658 GCATGTCGGGATCTGGCTTTTGAAGGGGATCAAACTCCAGAAATTTGGCTCCCAA 717
Db GCTCATCTAATCTCTTTTGAAGAGGAGAAAGTACACAGAGATGATTGTCCCATCA 681
718 AGTCCCATGTGCATTTAAACAGCAGCAGTTTACTTTGGGATGAAGATTGTGCGGTC 777
Db TCGGTCCATGACGGTCTTCAAAGCTGCGGAATGTTTCCGTATCAAAGTTCCGAAGAT 741
778 CCAAT---GAGAGAGATGAGGAGTGTGAGGCAATGAGAGAGCTATCTCCAGG 834
Db CCAGTTGATCTCTTCAAAAGTAGACCTGTCAAATGAAGCCGCAATTAACAG 801
835 AACACTGCCATGCTGCTGTCTTACCCCAAGTTTCTCATGCTGTGTAATAGATCTCTGTC 894
Db AGAACATGTATGTAGTTGGATCTGCTCAAACCTTCCCAATTTGGAACCTGTGATGACAT 861
895 CCGTAAGTGGCAAGCTGGCTGTCAAATACAAATACCCCTTCATGTCGACGCTGCTG 954
Db GAAGCTATTGGACAGCTAGGACTTGAATATGACATCCAGTTTATGTTGATGCTGTTCT 921
955 GGAGGCTTCTCATGCTCTTTTATGAGAAAGCAGGATACCCACTGGAGACCCCATTTGAT 1014
Db GGTGTTTCTTCTTCCATCTTGAAGAGAC-----GAGATTCGCTATGAC 959
1015 TTCCGGGTGAAGGTGTAAACAGCATTTTCAGCTGACACCCATAGTATGCTATGCCCA 1074
Db TTCCGTGTTCTGTTGATCTTCCGATTTCTGCAATAGTACCAAAATACGAGCTCGCTCCA 1029
1075 AAAGGCTCATCATTTGTTGTTGTATAGTGAAGAAGTACAGGAACTATCAGTCTTCGTC 1134
Db AAGGGTTCATCAGTTGTTCTTATCGCAATGAAGAACTTTTATATATCATGATCTCTGT 1089
1135 GATACAGATTGGCAGGTTGGCATCTATGCTTCCCAACCATTCGAGGCTCACGCGCTGGT 1194
Db GATGCTGATTGGCAAGGAGGTATCTATGATCGGCTACTATGGAAGGATCACGCGCTGGG 1149
1195 GGCATTAGCGAGCCTGTTGGCTGCTTGTATGTCACCTTCGGTGAAGACGGCTATGTTGA 1254
Db CACAACATTGCACTTTGCTGGCGCGCAATGCTTTATCACGCTAGGAAGATCAAGGCC 1209
1255 GCTACCAACAGATCATCAAACTGCTCGCTTCTCAAGTCAGAACTGGAAAAATACAA 1314
Db AATGCTAGAAAGATTGTTGACACTACAAGAAAGATTAGAAATGACCTTTCAAACATTAAG 1269
1315 GGCATCTTTGTTTGGGAATCCCAATTTGCTCATCTGCTCTGGGATCCCGTAT--- 1371
Db GGAATCAAAATTACAAGGGCCCAAGTGTGTTGTTATGTTAGCTGGACCAACCAATGATGA 1329

Qy	1372	TTTGACATCTACCGACTATCAACCTGATGACTGCTAAGGGGTGGAACTTGAAACGATTG	1431
Db	1330	GTGGAATCTACAGATTCACATTAACCTTCTGAAAGGAACACATTGSCAACTGAATGGACTT	1389
Qy	1432	CAGTTCCCAACCCAGTATTCAATTTCTGTCATCAATTAATCAACGCCCCGAAACGAGTAGCT	1491
Db	1390	CAATTCACAGCTGGAGTTCATATCATGTCACATGAATCATATCATCTCGGACTCGCT	1449
Qy	1492	ATACAATTCCTAAGGACATTCGAGATCTGT	1523
Db	1450	GAAGCTTTCGTCCCGATTGCAGAGCTGCAGT	1481

Search completed: March 30, 2004, 05:25:31
Job time : 106 secs